This is a digital copy of a book that was preserved for generations on library shelves before it was carefully scanned by Google as part of a project to make the world's books discoverable online.

It has survived long enough for the copyright to expire and the book to enter the public domain. A public domain book is one that was never subject to copyright or whose legal copyright term has expired. Whether a book is in the public domain may vary country to country. Public domain books are our gateways to the past, representing a wealth of history, culture and knowledge that's often difficult to discover.

Marks, notations and other marginalia present in the original volume will appear in this file - a reminder of this book's long journey from the publisher to a library and finally to you.

Usage guidelines

Google is proud to partner with libraries to digitize public domain materials and make them widely accessible. Public domain books belong to the public and we are merely their custodians. Nevertheless, this work is expensive, so in order to keep providing this resource, we have taken steps to prevent abuse by commercial parties, including placing technical restrictions on automated querying.

We also ask that you:

+ *Make non-commercial use of the files* We designed Google Book Search for use by individuals, and we request that you use these files for personal, non-commercial purposes.

+ *Refrain from automated querying* Do not send automated queries of any sort to Google's system: If you are conducting research on machine translation, optical character recognition or other areas where access to a large amount of text is helpful, please contact us. We encourage the use of public domain materials for these purposes and may be able to help.

+ *Maintain attribution* The Google "watermark" you see on each file is essential for informing people about this project and helping them find additional materials through Google Book Search. Please do not remove it.

+ *Keep it legal* Whatever your use, remember that you are responsible for ensuring that what you are doing is legal. Do not assume that just because we believe a book is in the public domain for users in the United States, that the work is also in the public domain for users in other countries. Whether a book is still in copyright varies from country to country, and we can't offer guidance on whether any specific use of any specific book is allowed. Please do not assume that a book's appearance in Google Book Search means it can be used in any manner anywhere in the world. Copyright infringement liability can be quite severe.

About Google Book Search

Google's mission is to organize the world's information and to make it universally accessible and useful. Google Book Search helps readers discover the world's books while helping authors and publishers reach new audiences. You can search through the full text of this book on the web at `http://books.google.com/`

a39015 01800995

PROPERTY OF THE
University of
Michigan
Libraries
1817
ARTES SCIENTIA VERITAS

BAUGHMAN'S

Buyer and Seller

lick tin

By H. R. A. BAUGHMAN

EIGHTH EDITION

INDIANAPOLIS, INDIANA. U. S. A.

1906

Forestry
SD
472.
.B

Copyright by HERSCHEL R. A. BAUGHMAN.

1886. 1888. 1891, 1893, 1901, 1902,
1904, 1905, 1906

EVENIN N CO., MILWAUKEE.

INTRODUCTION.

THE publisher invites attention to this **The Eighth Edition of Baughman's Buyer and Seller,** with the confident assurance that it will answer the many wants of the trade and meet with the unvarying public approval with which the seven previous editions have been favored, and it is confidently believed that the work will commend itself on account of its accuracy.

The Buyer and Seller, although devoted largely to the lumber trade, will prove a valuable assistant in nearly every business transaction. The different features of the book can be depended upon for accuracy, for they are the work of practical and experienced men, by whom they have been thoroughly tested and proven.

The lumber tables show nearly 9,000 different sizes and lengths, and the number of feet in any number of pieces can be determined at a glance. The same tables can be used for addition, multiplication and division; also, for computing dollars and cents by use of the decimal point. The table on page 36 will be found useful for reducing feet to inches, or vice versa.

The cost and interest tables will save time and insure accuracy. The diagram and rules for cutting rafters; the rules for finding number of shingles, and number of feet of flooring and siding for any size of building; the number of lath and the ingredients for plaster and mortar; the manner of mixing paints; the capacity of cisterns; postal rates; perpetual calendar; lumber inspection, log scales, cipher message, odd sizes, odd lengths, handy things to know, are all of practical utility.

EXPLANATION OF LUMBER TABLES.

The red lines between column 4 and 6, inclosing column 5, is a new feature, and one which we believe will be appreciated by all; being a rest for the eye when in constant use, and for finding numbers desired quickly. All numbers less than 5 being to left of red line; all over 5 being to right of red line.

To find the number of pieces: 73 pieces, run down left hand margin to 70, see page 4, then three columns to right for three pieces, 396 pieces, left hand margin to 390, then six columns to right for 396 pieces. If even number in tens are wanted take right hand margin.

To find number of feet in 263 pieces of 1x3=12 feet long, turn to page 10, (see index), run down the figures on left hand margin to 260; then three columns to the right for the three pieces, and you will find 789, the number in 263 pieces. For 478 pieces, run down left hand margin to 470, and then to the right eight columns, and you find 1434 feet, the true answer. For 325 pieces 2x8=12 feet long, turn to page 63 (see index), run down column of figures on left hand margin to 320, then to the right five columns and you find 5200 feet.

To find number of feet in greater number of pieces than shown in tables:

To the lower corresponding number or multiple annex one or more ciphers, if there is no fraction; for the fraction ⅙, drop the fraction and annex 1⅔; for ⅚, annex 8⅓, dropping fraction as before; for ½, annex 5; for ⅓, annex 3⅓; for ⅔, annex 6⅔.

For example: To find number of feet in 720 pieces 2x8=12 feet, first find number of feet in 72 pieces, as shown above (see page 63), which is 1,152 feet; annex one cipher, making 11,520 feet, the number of feet in 720 pieces. To find number of feet in 610 pieces of 1x8=20, turn to page 37 and find number of feet in 61 pieces, which is 813⅓; annex 3⅓, dropping the fraction, and you have 8,133⅓ feet, the number in 610 pieces. Annexing the figure is equivalent to multiplying by 10.

The lumber tables will do equally well for dollars and cents, by using decimal point. Thus: 263 yards of goods at 3 cents per yard (page 10) is $7.89; 2,630 yards, $78.90. 610 yards of goods at 13⅓ cents per yard: 61 yards (page 37) amount to $8.13⅓; 610 yards, $81.33⅓; 6,100 yards, $813.33⅓.

The tables will also do to multiply or divide. Thus (page 36): 12x12=144, or 12 into 144, 12 times.

Other explanations will be found through the book.

See page 4 for manner of arranging the tables.

See pages 124, 139 to compute without fractions.

See pages 160 to 200 for fractional sizes.

EXPLANATIONS OF NEW TABLES ADDED TO EIGHTH EDITION.

In this, the Eighth Edition, are tables starting at 1x1=6 feet and running up to 1x24=30 feet; also tables for 1¼, 1½, 1¾ and 7x9 and 7x10 switch tie tables and tables for other sizes and lengths. To all sizes and lengths have been added over 4,000 new sizes, the whole work being revised and new index added. A few examples: To find number of feet in 50 pieces 7x9=15 see page 123, 5 pieces (the lower multiple of 50) gives 393¾ feet. For 50 pieces drop fraction ¾ and add 7½, 3937½, and you have the correct number of feet in 50 pieces 7x9=15. Now should you wish to find for 500 pieces, drop the fraction ½ and add 5 and you have 39,375, the number of feet in 500 pieces 7x9=15. Remember that while these tables are set for but 1 to 10, they will give the correct answer for any number of pieces by simply taking lower multiple of the number of pieces you wish to find for and then adding the number given in explanation below.

To find number of feet in greater number of pieces than shown in tables:

To the lower corresponding number or multiple annex one or more ciphers, if there is no fraction; for the fraction ⅛, drop the fraction and annex 1¼; for ⅞, annex 8¾, dropping fraction as before; for ½, annex 5; for ⅓, annex 3⅓; for ⅔, annex 6⅔; for ¼, annex 2½; for ¾, annex 7½.

For example: To find the number of feet in 470 pieces 1x1=10 feet, first find the number of feet in 47 pieces as shown above (see page 5) which is 39⅙ feet, annex 1⅔, dropping fraction ⅙ and you have 391⅔ feet, the number of feet in 470 pieces. To find the number of feet in 673 pieces 1x15 or 2x7½=14, turn to page 61. First find the number of feet in 67 pieces, which is 1172½, annex 5, dropping the fraction ½ and you have 11725 feet, the number of feet in 670 pieces. For 3 pieces add
52½ feet,
11,777½ feet, the number of feet in 673 pieces.

All lumber tables will answer equally as well for dollars and cents by using decimal point, see explanation pages 2, 201 and 222. To find all sizes quickly if 1x8, open book where index for 2x4; for 1x12, where index for 2x6, etc., etc. See page 4 for manner of arranging the tables. Other exlanations will be found throughout the book.

See page 98 *and pages* 125 to 200 for odd sizes and odd lengths.

See pages 98, 125 and 159 for further explanations.

Table Showing Manner of Arranging the Tables.

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	1	2	3	4	5	6	7	8	9	10	**10**
10	11	12	13	14	15	16	17	18	19	20	**20**
20	21	22	23	24	25	26	27	28	29	30	**30**
30	31	32	33	34	35	36	37	38	39	40	**40**
40	41	42	43	44	45	46	47	48	49	50	**50**
50	51	52	53	54	55	56	57	58	59	60	**60**
60	61	62	63	64	65	66	67	68	69	70	**70**
70	71	72	73	74	75	76	77	78	79	80	**80**
80	81	82	83	84	85	86	87	88	89	90	**90**
90	91	92	93	94	95	96	97	98	99	100	**100**
100	101	102	103	104	105	106	107	108	109	110	**110**
110	111	112	113	114	115	116	117	118	119	120	**120**
120	121	122	123	124	125	126	127	128	129	130	**130**
130	131	132	133	134	135	136	137	138	139	140	**140**
140	141	142	143	144	145	146	147	148	149	150	**150**
150	151	152	153	154	155	156	157	158	159	160	**160**
160	161	162	163	164	165	166	167	168	169	170	**170**
170	171	172	173	174	175	176	177	178	179	180	**180**
180	181	182	183	184	185	186	187	188	189	190	**190**
190	191	192	193	194	195	196	197	198	199	200	**200**
200	201	202	203	204	205	206	207	208	209	210	**210**
210	211	212	213	214	215	216	217	218	219	220	**220**
220	221	222	223	224	225	226	227	228	229	230	**230**
230	231	232	233	234	235	236	237	238	239	240	**240**
240	241	242	243	244	245	246	247	248	249	250	**250**
250	251	252	253	254	255	256	257	258	259	260	**260**
260	261	262	263	264	265	266	267	268	269	270	**270**
270	271	272	273	274	275	276	277	278	279	280	**280**
280	281	282	283	284	285	286	287	288	289	290	**290**
290	291	292	293	294	295	296	297	298	299	300	**300**
300	301	302	303	304	305	306	307	308	309	310	**310**
310	311	312	313	314	315	316	317	318	319	320	**320**
320	321	322	323	324	325	326	327	328	329	330	**330**
330	331	332	333	334	335	336	337	338	339	340	**340**
340	341	342	343	344	345	346	347	348	349	350	**350**
350	351	352	353	354	355	356	357	358	359	360	**360**
360	361	362	363	364	365	366	367	368	369	370	**370**
370	371	372	373	374	375	376	377	378	379	380	**380**
380	381	382	383	384	385	386	387	388	389	390	**390**
390	391	392	393	394	395	396	397	398	399	400	**400**
400	401	402	403	404	405	406	407	408	409	410	**410**
410	411	412	413	414	415	416	417	418	419	420	**420**
420	421	422	423	424	425	426	427	428	429	430	**430**
430	431	432	433	434	435	436	437	438	439	440	**440**
440	441	442	443	444	445	446	447	448	449	450	**450**
450	451	452	453	454	455	456	457	458	459	460	**460**
460	461	462	463	464	465	466	467	468	469	470	**470**
470	471	472	473	474	475	476	477	478	479	480	**480**
480	481	482	483	484	485	486	487	488	489	490	**490**
490	491	492	493	494	495	496	497	498	499	500	**500**

To find number of pieces wanted: **If for 376 pieces run down left hand** *margin to 370, then six columns* **to right, or under six in top margin, and you** *find 376, number of pieces wanted.* **See pages 2 and 3 for further explanation.**

1 × 1 = 6

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	
	½	1	1½	2	2½	3	3½	4	4½	5	**10**
10	5½	6	6½	7	7½	8	8½	9	9½	10	**20**
20	10½	11	11½	12	12½	13	13½	14	14½	15	**30**
30	15½	16	16½	17	17½	18	18½	19	19½	20	**40**
40	20½	21	21½	22	22½	23	23½	24	24½	25	**50**
50	25½	26	26½	27	27½	28	28½	29	29½	30	**60**
60	30½	31	31½	32	32½	33	33½	34	34½	35	**70**
70	35½	36	36½	37	37½	38	38½	39	39½	40	**80**
80	40½	41	41½	42	42½	43	43½	44	44½	45	**90**
90	45½	46	46½	47	47½	48	48½	49	49½	50	**100**

1 × 1 = 8

	⅔	1⅓	2	2⅔	3⅓	4	4⅔	5⅓	6	6⅔	**10**
10	7⅓	8	8⅔	9⅓	10	10⅔	11⅓	12	12⅔	13⅓	**20**
20	14	14⅔	15⅓	16	16⅔	17⅓	18	18⅔	19⅓	20	**30**
30	20⅔	21⅓	22	22⅔	23⅓	24	24⅔	25⅓	26	26⅔	**40**
40	27⅓	28	28⅔	29⅓	30	30⅔	31⅓	32	32⅔	33⅓	**50**
50	34	34⅔	35⅓	36	36⅔	37⅓	38	38⅔	39⅓	40	**60**
60	40⅔	41⅓	42	42⅔	43⅓	44	44⅔	45⅓	46	46⅔	**70**
70	47⅓	48	48⅔	49⅓	50	50⅔	51⅓	52	52⅔	53⅓	**80**
80	54	54⅔	55⅓	56	56⅔	57⅓	58	58⅔	59⅓	60	**90**
90	60⅔	61⅓	62	62⅔	63⅓	64	64⅔	65⅓	66	66⅔	**100**

1 × 1 = 10

	⅚	1⅔	2½	3⅓	4⅙	5	5⅚	6⅔	7½	8⅓	**10**
10	9⅙	10	10⅚	11⅔	12½	13⅓	14⅙	15	15⅚	16⅔	**20**
20	17½	18⅓	19⅙	20	20⅚	21⅔	22½	23⅓	24⅙	25	**30**
30	25⅚	26⅔	27½	28⅓	29⅙	30	30⅚	31⅔	32½	33⅓	**40**
40	34⅙	35	35⅚	36⅔	37½	38⅓	39⅙	40	40⅚	41⅔	**50**
50	42½	43⅓	44⅙	45	45⅚	46⅔	47½	48⅓	49⅙	50	**60**
60	50⅚	51⅔	52½	53⅓	54⅙	55	55⅚	56⅔	57½	58⅓	**70**
70	59⅙	60	60⅚	61⅔	62½	63⅓	64⅙	65	65⅚	66⅔	**80**
80	67½	68⅓	69⅙	70	70⅚	71⅔	72½	73⅓	74⅙	75	**90**
90	75⅚	76⅔	77½	78⅓	79⅙	80	80⅚	81⅔	82½	83⅓	**100**

1 × 1 = 12

	1	2	3	4	5	6	7	8	9	10	**10**
10	11	12	13	14	15	16	17	18	19	20	**20**
20	21	22	23	24	25	26	27	28	29	30	**30**
30	31	32	33	34	35	36	27	38	39	40	**40**
40	41	42	43	44	45	46	47	48	49	50	**50**
50	51	52	53	54	55	56	57	58	59	60	**60**
60	61	62	63	64	65	66	67	68	69	70	**70**
70	71	72	73	74	75	76	77	78	79	80	**80**
80	81	82	83	84	85	86	87	88	89	90	**90**
90	91	92	93	94	95	96	97	98	99	100	**100**

For greater number of pieces than shown above, for ½, drop the fraction and annex 5; for ⅔, annex 6⅔; for ⅓, annex 3⅓; for 1-6 annex 1⅔; for 5-6, annex 8⅓; see explanations on pages 2, 3 and 4. See pages 123 to 200 for other sizes above tables give answers for.

1 × 1 = 14

	1 Piece Feet	2 Pieces Feet	3 Pieces Feet	4 Pieces Feet	5 Pieces Feet	6 Pieces Feet	7 Pieces Feet	8 Pieces Feet	9 Pieces Feet	10 Pieces Feet	
	1⅙	2⅓	3½	4⅔	5⅚	7	8⅙	9⅓	10½	11⅔	**10**
10	12⅚	14	15⅙	16⅓	17½	18⅔	19⅚	21	22⅙	23⅓	**20**
20	24½	25⅔	26⅚	28	29⅙	30⅓	31½	32⅔	33⅚	35	**30**
30	36⅙	37⅓	38½	39⅔	40⅚	42	43⅙	44⅓	45½	46⅔	**40**
40	47⅚	49	50⅙	51⅓	52½	53⅔	54⅚	56	57⅙	58⅓	**50**
50	59½	60⅔	61⅚	63	64⅙	65⅓	66½	67⅔	68⅚	70	**60**
60	71⅙	72⅓	73½	74⅔	75⅚	77	78⅙	79⅓	80½	81⅔	**70**
70	82⅚	84	85⅙	86⅓	87½	88⅔	89⅚	91	92⅙	93⅓	**80**
80	94½	95⅔	96⅚	98	99⅙	100⅓	101½	102⅔	103⅚	105	**90**
90	106⅙	107⅓	108½	109⅔	110⅚	112	113⅙	114⅓	115½	116⅔	**100**

1 × 1 = 16

	1⅓	2⅔	4	5⅓	6⅔	8	9⅓	10⅔	12	13⅓	**10**
10	14⅔	16	17⅓	18⅔	20	21⅓	22⅔	24	25⅓	26⅔	**20**
20	28	29⅓	30⅔	32	33⅓	34⅔	36	37⅓	38⅔	40	**30**
30	41⅓	42⅔	44	45⅓	46⅔	48	49⅓	50⅔	52	53⅓	**40**
40	54⅔	56	57⅓	58⅔	60	61⅓	62⅔	64	65⅓	66⅔	**50**
50	68	69⅓	70⅔	72	73⅓	74⅔	76	77⅓	78⅔	80	**60**
60	81⅓	82⅔	84	85⅓	86⅔	88	89⅓	90⅔	92	93⅓	**70**
70	94⅔	96	97⅓	98⅔	100	101⅓	102⅔	104	105⅓	106⅔	**80**
80	108	109⅓	110⅔	112	113⅓	114⅔	116	117⅓	118⅔	120	**90**
90	121⅓	122⅔	124	125⅓	126⅔	128	129⅓	130⅔	132	133⅓	**100**

1 × 1 = 18

	1½	3	4½	6	7½	9	10½	12	13½	15	**10**
10	16½	18	19½	21	22½	24	25½	27	28½	30	**20**
20	31½	33	34½	36	37½	39	40½	42	43½	45	**30**
30	46½	48	49½	51	52½	54	55½	57	58½	60	**40**
40	61½	63	64½	66	67½	69	70½	72	73½	75	**50**
50	76½	78	79½	81	82½	84	85½	87	88½	90	**60**
60	91½	93	94½	96	97½	99	100½	102	103½	105	**70**
70	106½	108	109½	111	112½	114	115½	117	118½	120	**80**
80	121½	123	124½	126	127½	129	130½	132	133½	135	**90**
90	136½	138	139½	141	142½	144	145½	147	148½	150	**100**

1 × 1 = 20

	1⅔	3⅓	5	6⅔	8⅓	10	11⅔	13⅓	15	16⅔	**10**
10	18⅓	20	21⅔	23⅓	25	26⅔	28⅓	30	31⅔	33⅓	**20**
20	35	36⅔	38⅓	40	41⅔	43⅓	45	46⅔	48⅓	50	**30**
30	51⅔	53⅓	55	56⅔	58⅓	60	61⅔	63⅓	65	66⅔	**40**
40	68⅓	70	71⅔	73⅓	75	76⅔	78⅓	80	81⅔	83⅓	**50**
50	85	86⅔	88⅓	90	91⅔	93⅓	95	96⅔	98⅓	100	**60**
60	101⅔	103⅓	105	106⅔	108⅓	110	111⅔	113⅓	115	116⅔	**70**
70	118⅓	120	121⅔	123⅓	125	126⅔	128⅓	130	131⅔	133⅓	**80**
80	135	136⅔	138⅓	140	141⅔	143⅓	145	146⅔	148⅓	150	**90**
90	151⅔	153⅓	155	156⅔	158⅓	160	161⅔	163⅓	165	166⅔	**100**

For greater number of **pieces than shown above, for ½, drop the fraction** *and annex 5; for ⅔, annex* **6⅔; for ⅓, annex 3⅓; for 1-6, annex 1⅔; for 5-6, annex** *8⅓; see explanations on* **pages 2, 3 and 4. See pages 123 to 200 for other sizes** *above tables give answers for.*

1 × 2 6

	1 Piece Feet	2 Pieces Feet	3 Pieces Feet	4 Pieces Feet	5 Pieces Feet	6 Pieces Feet	7 Pieces Feet	8 Pieces Feet	9 Pieces Feet	10 Pieces Feet	
	1	2	3	4	5	6	7	8	9	10	**10**
10	11	12	13	14	15	16	17	18	19	20	**20**
20	21	22	23	24	25	26	27	28	29	30	**30**
30	31	32	33	34	35	36	37	38	39	40	**40**
40	41	42	43	44	45	46	47	48	49	50	**50**
50	51	52	53	54	55	56	57	58	59	60	**60**
60	61	62	63	64	65	66	67	68	69	70	**70**
70	71	72	73	74	75	76	77	78	79	80	**80**
80	81	82	83	84	85	86	87	88	89	90	**90**
90	91	92	93	94	95	96	97	98	99	100	**100**

1 × 2 = 8

	1⅓	2⅔	4	5⅓	6⅔	8	9⅓	10⅔	12	13⅓	**10**
10	14⅔	16	17⅓	18⅔	20	21⅓	22⅔	24	25⅓	26⅔	**20**
20	28	29⅓	30⅔	32	33⅓	34⅔	36	37⅓	38⅔	40	**30**
30	41⅓	42⅔	44	45⅓	46⅔	48	49⅓	50⅔	52	53⅓	**40**
40	54⅔	56	57⅓	58⅔	60	61⅓	62⅔	64	65⅓	66⅔	**50**
50	68	69⅓	70⅔	72	73⅓	74⅔	76	77⅓	78⅔	80	**60**
60	81⅓	82⅔	84	85⅓	86⅔	88	89⅓	90⅔	92	93⅓	**70**
70	94⅔	96	97⅓	98⅔	100	101⅓	102⅔	104	105⅓	106⅔	**80**
80	108	109⅓	110⅔	112	113⅓	114⅔	116	117⅓	118⅔	120	**90**
90	121⅓	122⅔	124	125⅓	126⅔	128	129⅓	130⅔	132	133⅓	**100**

1 × 2 = 10

	1⅔	3⅓	5	6⅔	8⅓	10	11⅔	13⅓	15	16⅔	**10**
10	18⅓	20	21⅔	23⅓	25	26⅔	28⅓	30	31⅔	33⅓	**20**
20	35	36⅔	38⅓	40	41⅔	43⅓	45	46⅔	48⅓	50	**30**
30	51⅔	53⅓	55	56⅔	58⅓	60	61⅔	63⅓	65	66⅔	**40**
40	68⅓	70	71⅔	73⅓	75	76⅔	78⅓	80	81⅔	83⅓	**50**
50	85	86⅔	88⅓	90	91⅔	93⅓	95	96⅔	98⅓	100	**60**
60	101⅔	103⅓	105	106⅔	108⅓	110	111⅔	113⅓	115	116⅔	**70**
70	118⅓	120	121⅔	123⅓	125	126⅔	128⅓	130	131⅔	133⅓	**80**
80	135	136⅔	138⅓	140	141⅔	143⅓	145	146⅔	148⅓	150	**90**
90	151⅔	153⅓	155	156⅔	158⅓	160	161⅔	163⅓	165	166⅔	**100**

1 × 2 = 12

	2	4	6	8	10	12	14	16	18	20	**10**
10	22	24	26	28	30	32	34	36	38	40	**20**
20	42	44	46	48	50	52	54	56	58	60	**30**
30	62	64	66	68	70	72	74	76	78	80	**40**
40	82	84	86	88	90	92	94	96	98	100	**50**
50	102	104	106	108	110	112	114	116	118	120	**60**
60	122	124	126	128	130	132	134	136	138	140	**70**
70	142	144	146	148	150	152	154	156	158	160	**80**
80	162	164	166	168	170	172	174	176	178	180	**90**
90	182	184	186	188	190	192	194	196	198	200	**100**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

1 × 2 = 14

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	
	2⅓	4⅔	7	9⅓	11⅔	14	16⅓	18⅔	21	23⅓	**10**
10	25⅔	28	30⅓	32⅔	35	37⅓	39⅔	42	44⅓	46⅔	**20**
20	49	51⅓	53⅔	56	58⅓	60⅔	63	65⅓	67⅔	70	**30**
30	72⅓	74⅔	77	79⅓	81⅔	84	86⅓	88⅔	91	93⅓	**40**
40	95⅔	98	100⅓	102⅔	105	107⅓	109⅔	112	114⅓	116⅔	**50**
50	119	121⅓	123⅔	126	128⅓	130⅔	133	135⅓	137⅔	140	**60**
60	142⅓	144⅔	147	149⅓	151⅔	154	156⅓	158⅔	161	163⅓	**70**
70	165⅔	168	170⅓	172⅔	175	177⅓	179⅔	182	184⅓	186⅔	**80**
80	189	191⅓	193⅔	196	198⅓	200⅔	203	205⅓	207⅔	210	**90**
90	212⅓	214⅔	217	219⅓	221⅔	224	226⅓	228⅔	231	233⅓	**100**

1 × 2 = 16

	2⅔	5⅓	8	10⅔	13⅓	16	18⅔	21⅓	24	26⅔	**10**
10	29⅓	32	34⅔	37⅓	40	42⅔	45⅓	48	50⅔	53⅓	**20**
20	56	58⅔	61⅓	64	66⅔	69⅓	72	74⅔	77⅓	80	**30**
30	82⅔	85⅓	88	90⅔	93⅓	96	98⅔	101⅓	104	106⅔	**40**
40	109⅓	112	114⅔	117⅓	120	122⅔	125⅓	128	130⅔	133⅓	**50**
50	136	138⅔	141⅓	144	146⅔	149⅓	152	154⅔	157⅓	160	**60**
60	162⅔	165⅓	168	170⅔	173⅓	176	178⅔	181⅓	184	186⅔	**70**
70	189⅓	192	194⅔	197⅓	200	202⅔	205⅓	208	210⅔	213⅓	**80**
80	216	218⅔	221⅓	224	226⅔	229⅓	232	234⅔	237⅓	240	**90**
90	242⅔	245⅓	248	250⅔	253⅓	256	258⅔	261⅓	264	266⅔	**100**

1 × 2 = 18

	3	6	9	12	15	18	21	24	27	30	**10**
10	33	36	39	42	45	48	51	54	57	60	**20**
20	63	66	69	72	75	78	81	84	87	90	**30**
30	93	96	99	102	105	108	111	114	117	120	**40**
40	123	126	129	132	135	138	141	144	147	150	**50**
50	153	156	159	162	165	168	171	174	177	180	**60**
60	183	186	189	192	195	198	201	204	207	210	**70**
70	213	216	219	222	225	228	231	234	237	240	**80**
80	243	246	249	252	255	258	261	264	267	270	**90**
90	273	276	279	282	285	288	291	294	297	300	**100**

1 × 2 = 20

	3⅓	6⅔	10	13⅓	16⅔	20	23⅓	26⅔	30	33⅓	**10**
10	36⅔	40	43⅓	46⅔	50	53⅓	56⅔	60	63⅓	66⅔	**20**
20	70	73⅓	76⅔	80	83⅓	86⅔	90	93⅓	96⅔	100	**30**
30	103⅓	106⅔	110	113⅓	116⅔	120	123⅓	126⅔	130	133⅓	**40**
40	136⅔	140	143⅓	146⅔	150	153⅓	156⅔	160	163⅓	166⅔	**50**
50	170	173⅓	176⅔	180	183⅓	186⅔	190	193⅓	196⅔	200	**60**
60	203⅓	206⅔	210	213⅓	216⅔	220	223⅓	226⅔	230	233⅓	**70**
70	236⅔	240	243⅓	246⅔	250	253⅓	256⅔	260	263⅓	266⅔	**80**
80	270	273⅓	276⅔	280	283⅓	286⅔	290	293⅓	296⅔	300	**90**
90	303⅓	306⅔	310	313⅓	316⅔	320	323⅓	326⅔	330	333⅓	**100**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

1 x 3
1½ x 2 = 4

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	
	1	2	3	4	5	6	7	8	9	10	**10**
10	11	12	13	14	15	16	17	18	19	20	**20**
20	21	22	23	24	25	26	27	28	29	30	**30**
30	31	32	33	34	35	36	37	38	39	40	**40**
40	41	42	43	44	45	46	47	48	49	50	**50**
50	51	52	53	54	55	56	57	58	59	60	**60**
60	61	62	63	64	65	66	67	68	69	70	**70**
70	71	72	73	74	75	76	77	78	79	80	**80**
80	81	82	83	84	85	86	87	88	89	90	**90**
90	91	92	93	94	95	96	97	98	99	100	**100**

1 x 3
1½ x 2 = 6

	1½	3	4½	6	7½	9	10½	12	13½	15	**10**
10	16½	18	19½	21	22½	24	25½	27	28½	30	**20**
20	31½	33	34½	36	37½	39	40½	42	43½	45	**30**
30	46½	48	49½	51	52½	54	55½	57	58½	60	**40**
40	61½	63	64½	66	67½	69	70½	72	73½	75	**50**
50	76½	78	79½	81	82½	84	85½	87	88½	90	**60**
60	91½	93	94½	96	97½	99	100½	102	103½	105	**70**
70	106½	108	109½	111	112½	114	115½	117	118½	120	**80**
80	121½	123	124½	126	127½	129	130½	132	133½	135	**90**
90	136½	138	139½	141	142½	144	145½	147	148½	150	**100**

1 x 3
1½ x 2 = 8

	2	4	6	8	10	12	14	16	18	20	**10**
10	22	24	26	28	30	32	34	36	38	40	**20**
20	42	44	46	48	50	52	54	56	58	60	**30**
30	62	64	66	68	70	72	74	76	78	80	**40**
40	82	84	86	88	90	92	94	96	98	100	**50**
50	102	104	106	108	110	112	114	116	118	120	**60**
60	122	124	126	128	130	132	134	136	138	140	**70**
70	142	144	146	148	150	152	154	156	158	160	**80**
80	162	164	166	168	170	172	174	176	178	180	**90**
90	182	184	186	188	190	192	194	196	198	200	**100**

1 x 3
1½ x 2 = 10

	2½	5	7½	10	12½	15	17½	20	22½	25	**10**
10	27½	30	32½	35	37½	40	42½	45	47½	50	**20**
20	52½	55	57½	60	62½	65	67½	70	72½	75	**30**
30	77½	80	82½	85	87½	90	92½	95	97½	100	**40**
40	102½	105	107½	110	112½	115	117½	120	122½	125	**50**
50	127½	130	132½	135	137½	140	142½	145	147½	150	**60**
60	152½	155	157½	160	162½	165	167½	170	172½	175	**70**
70	177½	180	182½	185	187½	190	192½	195	197½	200	**80**
80	202½	205	207½	210	212½	215	217½	220	222½	225	**90**
90	227½	230	232½	235	237½	240	242½	245	247½	250	**100**

For greater number of pieces than shown above, for ½, drop the fraction and *annex 5; for ⅔*, annex 6⅔; for ⅓, annex 3⅓; for 1-6, annex 1⅔; for 5-6, annex *8⅓; see explanations* on pages 2, 3 and 4. See pages 123 to 200 for other sizes *above tables give* answers for.

1 × 3 = 12

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	3	6	9	12	15	18	21	24	27	30	**10**
10	33	36	39	42	45	48	51	54	57	60	**20**
20	63	66	69	72	75	78	81	84	87	90	**30**
30	93	96	99	102	105	108	111	114	117	120	**40**
40	123	126	129	132	135	138	141	144	147	150	**50**
50	153	156	159	162	165	168	171	174	177	180	**60**
60	183	186	189	192	195	198	201	204	207	210	**70**
70	213	216	219	222	225	228	231	234	237	240	**80**
80	243	246	249	252	255	258	261	264	267	270	**90**
90	273	276	279	282	285	288	291	294	297	300	**100**
100	303	306	309	312	315	318	321	324	327	330	**110**
110	333	336	339	342	345	348	351	354	357	360	**120**
120	363	366	369	372	375	378	381	384	387	390	**130**
130	393	396	399	402	405	408	411	414	417	420	**140**
140	423	426	429	432	435	438	441	444	447	450	**150**
150	453	456	459	462	465	468	471	474	477	480	**160**
160	483	486	489	492	495	498	501	504	507	510	**170**
170	513	516	519	522	525	528	531	534	537	540	**180**
180	543	546	549	552	555	558	561	564	567	570	**190**
190	573	576	579	582	585	588	591	594	597	600	**200**
200	603	606	609	612	615	618	621	624	627	630	**210**
210	633	636	639	642	645	648	651	654	657	660	**220**
220	663	666	669	672	675	678	681	684	687	690	**230**
230	693	696	699	702	705	708	711	714	717	720	**240**
240	723	726	729	732	735	738	741	744	747	750	**250**
250	753	756	759	762	765	768	771	774	777	780	**260**
260	783	786	789	792	795	798	801	804	807	810	**270**
270	813	816	819	822	825	828	831	834	837	840	**280**
280	843	846	849	852	855	858	861	864	867	870	**290**
290	873	876	879	882	885	888	891	894	897	900	**300**
300	903	906	909	912	915	918	921	924	927	930	**310**
310	933	936	939	942	945	948	951	954	957	960	**320**
320	963	966	969	972	975	978	981	984	987	990	**330**
330	993	996	999	1002	1005	1008	1011	1014	1017	1020	**340**
340	1023	1026	1029	1032	1035	1038	1041	1044	1047	1050	**350**
350	1053	1056	1059	1062	1065	1068	1071	1074	1077	1080	**360**
360	1083	1086	1089	1092	1095	1098	1101	1104	1107	1110	**370**
370	1113	1116	1119	1122	1125	1128	1131	1134	1137	1140	**380**
380	1143	1146	1149	1152	1155	1158	1161	1164	1167	1170	**390**
390	1173	1176	1179	1182	1185	1188	1191	1194	1197	1200	**400**
400	1203	1206	1209	1212	1215	1218	1221	1224	1227	1230	**410**
410	1233	1236	1239	1242	1245	1248	1251	1254	1257	1260	**420**
420	1263	1266	1269	1272	1275	1278	1281	1284	1287	1290	**430**
430	1293	1296	1299	1302	1305	1308	1311	1314	1317	1320	**440**
440	1323	1326	1329	1332	1335	1338	1341	1344	1347	1350	**450**
450	1353	1356	1359	1362	1365	1368	1371	1374	1377	1380	**460**
460	1383	1386	1389	1392	1395	1398	1401	1404	1407	1410	**470**
470	1413	1416	1419	1422	1425	1428	1431	1434	1437	1440	**480**
480	1443	1446	1449	1452	1455	1458	1461	1464	1467	1470	**490**
490	1473	1476	1479	1482	1485	1488	1491	1494	1497	1500	**500**

For greater number *of* pieces than shown above, see explanations *on pages 2, 3 and 4.*

× 3 = 4

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	3½	7	10½	14	17½	21	24½	28	31½	35	**10**
10	38½	42	45½	49	52½	56	59½	63	66½	70	**20**
20	73½	77	80½	84	87½	91	94½	98	101½	105	**30**
30	108½	112	115½	119	122½	126	129½	133	136½	140	**40**
40	143½	147	150½	154	157½	161	164½	168	171½	175	**50**
50	178½	182	185½	189	192½	196	199½	203	206½	210	**60**
60	213½	217	220½	224	227½	231	234½	238	241½	245	**70**
70	248½	252	255½	259	262½	266	269½	273	276½	280	**80**
80	283½	287	290½	294	297½	301	304½	308	311½	315	**90**
90	318½	322	325½	329	332½	336	339½	343	346½	350	**100**
100	353½	357	360½	364	367½	371	374½	378	381½	385	**110**
110	388½	392	395½	399	402½	406	409½	413	416½	420	**120**
120	423½	427	430½	434	437½	441	444½	448	451½	455	**130**
130	458½	462	465½	469	472½	476	479½	483	486½	490	**140**
140	493½	497	500½	504	507½	511	514½	518	521½	525	**150**
150	528½	532	535½	539	542½	546	549½	553	556½	560	**160**
160	563½	567	570½	574	577½	581	584½	588	591½	595	**170**
170	598½	602	605½	609	612½	616	619½	623	626½	630	**180**
180	633½	637	640½	644	647½	651	654½	658	661½	665	**190**
190	668½	672	675½	679	682½	686	689½	693	696½	700	**200**
200	703½	707	710½	714	717½	721	724½	728	731½	735	**210**
210	738½	742	745½	749	752½	756	759½	763	766½	770	**220**
220	773½	777	780½	784	787½	791	794½	798	801½	805	**230**
230	808½	812	815½	819	822½	826	829½	833	836½	840	**240**
240	843½	847	850½	854	857½	861	864½	868	871½	875	**250**
250	878½	882	885½	889	892½	896	899½	903	906½	910	**260**
260	913½	917	920½	924	927½	931	934½	938	941½	945	**270**
270	948½	952	955½	959	962½	966	969½	973	976½	980	**280**
280	983½	987	990½	994	997½	1001	1004½	1008	1011½	1015	**290**
290	1018½	1022	1025½	1029	1032½	1036	1039½	1043	1046½	1050	**300**
300	1053½	1057	1060½	1064	1067½	1071	1074½	1078	1081½	1085	**310**
310	1088½	1092	1095½	1099	1102½	1106	1109½	1113	1116½	1120	**320**
320	1123½	1127	1130½	1134	1137½	1141	1144½	1148	1151½	1155	**330**
330	1158½	1162	1165½	1169	1172½	1176	1179½	1183	1186½	1190	**340**
340	1193½	1197	1200½	1204	1207½	1211	1214½	1218	1221½	1225	**350**
350	1228½	1232	1235½	1239	1242½	1246	1249½	1253	1256½	1260	**360**
360	1263½	1267	1270½	1274	1277½	1281	1284½	1288	1291½	1295	**370**
370	1298½	1302	1305½	1309	1312½	1316	1319½	1323	1326½	1330	**380**
380	1333½	1337	1340½	1344	1347½	1351	1354½	1358	1361½	1365	**390**
390	1368½	1372	1375½	1379	1382½	1386	1389½	1393	1396½	1400	**400**
400	1403½	1407	1410½	1414	1417½	1421	1424½	1428	1431½	1435	**410**
410	1438½	1442	1445½	1449	1452½	1456	1459½	1463	1466½	1470	**420**
420	1473½	1477	1480½	1484	1487½	1491	1494½	1498	1501½	1505	**430**
430	1508½	1512	1515½	1519	1522½	1526	1529½	1533	1536½	1540	**440**
440	1543½	1547	1550½	1554	1557½	1561	1564½	1568	1571½	1575	**450**
450	1578½	1582	1585½	1589	1592½	1596	1599½	1603	1606½	1610	**460**
460	1613½	1617	1620½	1624	1627½	1631	1634½	1638	1641½	1645	**470**
470	1648½	1652	1655½	1659	1662½	1666	1669½	1673	1676½	1680	**480**
480	1683½	1687	1690½	1694	1697½	1701	1704½	1708	1711½	1715	**490**
490	1718½	1722	1725½	1729	1732½	1736	1739½	1743	1746½	1750	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

× 3 6

	1 Piece Feet.	2 Pieces Feet.	3 Pieces Feet.	4 Pieces Feet.	5 Pieces Feet.	6 Pieces Feet.	7 Pieces Feet.	8 Pieces Feet.	9 Pieces Feet.	10 Pieces Feet.	
	4	8	12	16	20	24	28	32	36	40	**10**
10	44	48	52	56	60	64	68	72	76	80	**20**
20	84	88	92	96	100	104	108	112	116	120	**30**
30	124	128	132	136	140	144	148	152	156	160	**40**
40	164	168	172	176	180	184	188	192	196	200	**50**
50	204	208	212	216	220	224	228	232	236	240	**60**
60	244	248	252	256	260	264	268	272	276	280	**70**
70	284	288	292	296	300	304	308	312	316	320	**80**
80	324	328	332	336	340	344	348	352	356	360	**90**
90	364	368	372	376	380	384	388	392	396	400	**100**
100	404	408	412	416	420	424	428	432	436	440	**110**
110	444	448	452	456	460	464	468	472	476	480	**120**
120	484	488	492	496	500	504	508	512	516	520	**130**
130	524	528	532	536	540	544	548	552	556	560	**140**
140	564	568	572	576	580	584	588	592	596	600	**150**
150	604	608	612	616	620	624	628	632	636	640	**160**
160	644	648	652	656	660	664	668	672	676	680	**170**
170	684	688	692	696	700	704	708	712	716	720	**180**
180	724	728	732	736	740	744	748	752	756	760	**190**
190	764	768	772	776	780	784	788	792	796	800	**200**
200	804	808	812	816	820	824	828	832	836	840	**210**
210	844	848	852	856	860	864	868	872	876	880	**220**
220	884	888	892	896	900	904	908	912	916	920	**230**
230	924	928	932	936	940	944	948	952	956	960	**240**
240	964	968	972	976	980	984	988	992	996	1000	**250**
250	1004	1008	1012	1016	1020	1024	1028	1032	1036	1040	**260**
260	1044	1048	1052	1056	1060	1064	1068	1072	1076	1080	**270**
270	1084	1088	1092	1096	1100	1104	1108	1112	1116	1120	**280**
280	1124	1128	1132	1136	1140	1144	1148	1152	1156	1160	**290**
290	1164	1168	1172	1176	1180	1184	1188	1192	1196	1200	**300**
300	1204	1208	1212	1216	1220	1224	1228	1232	1236	1240	**310**
310	1244	1248	1252	1256	1260	1264	1268	1272	1276	1280	**320**
320	1284	1288	1292	1296	1300	1304	1308	1312	1316	1320	**330**
330	1324	1328	1332	1336	1340	1344	1348	1352	1356	1360	**340**
340	1364	1368	1372	1376	1380	1384	1388	1392	1396	1400	**350**
350	1404	1408	1412	1416	1420	1424	1428	1432	1436	1440	**360**
360	1444	1448	1452	1456	1460	1464	1468	1472	1476	1480	**370**
370	1484	1488	1492	1496	1500	1504	1508	1512	1516	1520	**380**
380	1524	1528	1532	1536	1540	1544	1548	1552	1556	1560	**390**
390	1564	1568	1572	1576	1580	1584	1588	1592	1596	1600	**400**
400	1604	1608	1612	1616	1620	1624	1628	1632	1636	1640	**410**
410	1644	1648	1652	1656	1660	1664	1668	1672	1676	1680	**420**
420	1684	1688	1692	1696	1700	1704	1708	1712	1716	1720	**430**
430	1724	1728	1732	1736	1740	1744	1748	1752	1756	1760	**440**
440	1764	1768	1772	1776	1780	1784	1788	1792	1796	1800	**450**
450	1804	1808	1812	1816	1820	1824	1828	1832	1836	1840	**460**
460	1844	1848	1852	1856	1860	1864	1868	1872	1876	1880	**470**
470	1884	1888	1892	1896	1900	1904	1908	1912	1916	1920	**480**
480	1924	1928	1932	1936	1940	1944	1948	1952	1956	1960	**490**
490	*1964*	*1968*	*1972*	*1976*	1980	1984	1988	1992	1996	2000	**500**

For greater number of pieces than shown above, see ex*planations on* pages 2, 3 and 4.

×3 8

	1 Piece Feet.	2 Pieces Feet.	3 Pieces Feet.	4 Pieces Feet.	5 Pieces Feet.	6 Pieces Feet.	7 Pieces Feet.	8 Pieces Feet.	9 Pieces Feet.	10 Pieces eet.	
	4½	9	13½	18	22½	27	31½	36	40½	45	**10**
10	49½	54	58½	63	67½	72	76½	81	85½	90	**20**
20	94½	99	103½	108	112½	117	121½	126	130½	135	**30**
30	139½	144	148½	153	157½	162	166½	171	175½	180	**40**
40	184½	189	193½	198	202½	207	211½	216	220½	225	**50**
50	229½	234	238½	243	247½	252	256½	261	265½	270	**60**
60	274½	279	283½	288	292½	297	301½	306	310½	315	**70**
70	319½	324	328½	333	337½	342	346½	351	355½	360	**80**
80	364½	369	373½	378	382½	387	391½	396	400½	405	**90**
90	409½	414	418½	423	427½	432	436½	441	445½	450	**100**
100	454½	459	463½	468	472½	477	481½	486	490½	495	**110**
110	499½	504	508½	513	517½	522	526½	531	535½	540	**120**
120	544½	549	553½	558	562½	567	571½	576	580½	585	**130**
130	589½	594	598½	603	607½	612	616½	621	625½	630	**140**
140	634½	639	643½	648	652½	657	661½	666	670½	675	**150**
150	679½	684	688½	693	697½	702	706½	711	715½	720	**160**
160	724½	729	733½	738	742½	747	751½	756	760½	765	**170**
170	769½	774	778½	783	787½	792	796½	801	805½	810	**180**
180	814½	819	823½	828	832½	837	841½	846	850½	855	**190**
190	859½	864	868½	873	877½	882	886½	891	895½	900	**200**
200	904½	909	913½	918	922½	927	931½	936	940½	945	**210**
210	949½	954	958½	963	967½	972	976½	981	985½	990	**220**
220	994½	999	1003½	1008	1012½	1017	1021½	1026	1030½	1035	**230**
230	1039½	1044	1048½	1053	1057½	1062	1066½	1071	1075½	1080	**240**
240	1084½	1089	1093½	1098	1102½	1107	1111½	1116	1120½	1125	**250**
250	1129½	1134	1138½	1143	1147½	1152	1156½	1161	1165½	1170	**260**
260	1174½	1179	1183½	1188	1192½	1197	1201½	1206	1210½	1215	**270**
270	1219½	1224	1228½	1233	1237½	1242	1246½	1251	1255½	1260	**280**
280	1264½	1269	1273½	1278	1282½	1287	1291½	1296	1300½	1305	**290**
290	1309½	1314	1318½	1323	1327½	1332	1336½	1341	1345½	1350	**300**
300	1354½	1359	1363½	1368	1372½	1377	1381½	1386	1390½	1395	**310**
310	1399½	1404	1408½	1413	1417½	1422	1426½	1431	1435½	1440	**320**
320	1444½	1449	1453½	1458	1462½	1467	1471½	1476	1480½	1485	**330**
330	1489½	1494	1498½	1503	1507½	1512	1516½	1521	1525½	1530	**340**
340	1534½	1539	1543½	1548	1552½	1557	1561½	1566	1570½	1575	**350**
350	1579½	1584	1588½	1593	1597½	1602	1606½	1611	1615½	1620	**360**
360	1624½	1629	1633½	1638	1642½	1647	1651½	1656	1660½	1665	**370**
370	1669½	1674	1678½	1683	1687½	1692	1696½	1701	1705½	1710	**380**
380	1714½	1719	1723½	1728	1732½	1737	1741½	1746	1750½	1755	**390**
390	1759½	1764	1768½	1773	1777½	1782	1786½	1791	1795½	1800	**400**
400	1804½	1809	1813½	1818	1822½	1827	1831½	1836	1840½	1845	**410**
410	1849½	1854	1858½	1863	1867½	1872	1876½	1881	1885½	1890	**420**
420	1894½	1899	1903½	1908	1912½	1917	1921½	1926	1930½	1935	**430**
430	1939½	1944	1948½	1953	1957½	1962	1966½	1971	1975½	1980	**440**
440	1984½	1989	1993½	1998	2002½	2007	2011½	2016	2020½	2025	**450**
450	2029½	2034	2038½	2043	2047½	2052	2056½	2061	2065½	2070	**460**
460	2074½	2079	2083½	2088	2092½	2097	2101½	2106	2110½	2115	**470**
470	2119½	2124	2128½	2133	2137½	2142	2146½	2151	2155½	2160	**480**
480	2164½	2169	2173½	2178	2182½	2187	2191½	2196	2200½	2205	**490**
490	2209½	2214	2218½	2223	2227½	2232	2236½	2241	2245½	2250	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

× 3 = 20

	1 Piece Feet.	2 Pieces Feet.	3 Pieces Feet.	4 Pieces Feet.	5 Pieces Feet.	6 Pieces Feet.	7 Pieces Feet.	8 Pieces Feet.	9 Pieces Feet.	10 Pieces Feet.	
	5	10	15	20	25	30	35	40	45	50	**10**
10	55	60	65	70	75	80	85	90	95	100	**20**
20	105	110	115	120	125	130	135	140	145	150	**30**
30	155	160	165	170	175	180	185	190	195	200	**40**
40	205	210	215	220	225	230	235	240	245	250	**50**
50	255	260	265	270	275	280	285	290	295	300	**60**
60	305	310	315	320	325	330	335	340	345	350	**70**
70	355	360	365	370	375	380	385	390	395	400	**80**
80	405	410	415	420	425	430	435	440	445	450	**90**
90	455	460	465	470	475	480	485	490	495	500	**100**
100	505	510	515	520	525	530	535	540	545	550	**110**
110	555	560	565	570	575	580	585	590	595	600	**120**
120	605	610	615	620	625	630	635	640	645	650	**130**
130	655	660	665	670	675	680	685	690	695	700	**140**
140	705	710	715	720	725	730	735	740	745	750	**150**
150	755	760	765	770	775	780	785	790	795	800	**160**
160	805	810	815	820	825	830	835	840	845	850	**170**
170	855	860	865	870	875	880	885	890	895	900	**180**
180	905	910	915	920	925	930	935	940	945	950	**190**
190	955	960	965	970	975	980	985	990	995	1000	**200**
200	1005	1010	1015	1020	1025	1030	1035	1040	1045	1050	**210**
210	1055	1060	1065	1070	1075	1080	1085	1090	1095	1100	**220**
220	1105	1110	1115	1120	1125	1130	1135	1140	1145	1150	**230**
230	1155	1160	1165	1170	1175	1180	1185	1190	1195	1200	**240**
240	1205	1210	1215	1220	1225	1230	1235	1240	1245	1250	**250**
250	1255	1260	1265	1270	1275	1280	1285	1290	1295	1300	**260**
260	1305	1310	1315	1320	1325	1330	1335	1340	1345	1350	**270**
270	1355	1360	1365	1370	1375	1380	1385	1390	1395	1400	**280**
280	1405	1410	1415	1420	1425	1430	1435	1440	1445	1450	**290**
290	1455	1460	1465	1470	1475	1480	1485	1490	1495	1500	**300**
300	1505	1510	1515	1520	1525	1530	1535	1540	1545	1550	**310**
310	1555	1560	1565	1570	1575	1580	1585	1590	1595	1600	**320**
320	1605	1610	1615	1620	1625	1630	1635	1640	1645	1650	**330**
330	1655	1660	1665	1670	1675	1680	1685	1690	1695	1700	**340**
340	1705	1710	1715	1720	1725	1730	1735	1740	1745	1750	**350**
350	1755	1760	1765	1770	1775	1780	1785	1790	1795	1800	**360**
360	1805	1810	1815	1820	1825	1830	1835	1840	1845	1850	**370**
370	1855	1860	1865	1870	1875	1880	1885	1890	1895	1900	**380**
380	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	**390**
390	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000	**400**
400	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050	**410**
410	2055	2060	2065	2070	2075	2080	2085	2090	2095	2100	**420**
420	2105	2110	2115	2120	2125	2130	2135	2140	2145	2150	**430**
430	2155	2160	2165	2170	2175	2180	2185	2190	2195	2200	**440**
440	2205	2210	2215	2220	2225	2230	2235	2240	2245	2250	**450**
450	2255	2260	2265	2270	2275	2280	2285	2290	2295	2300	**460**
460	2305	2310	2315	2320	2325	2330	2335	2340	2345	2350	**470**
470	2355	2360	2365	2370	2375	2380	2385	2390	2395	2400	**480**
480	2405	2410	2415	2420	2425	2430	2435	2440	2445	2450	**490**
490	2455	2460	2465	2470	2475	2480	2485	2490	2495	2500	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

1 X 4 2 X 2 = 4

	1 Piece Feet	2 Pieces Feet	3 Pieces Feet	4 Pieces Feet	5 Pieces Feet	6 Pieces Feet	7 Pieces Feet	8 Pieces Feet	9 Pieces Feet	10 Pieces Feet	
	1⅓	2⅔	4	5⅓	6⅔	8	9⅓	10⅔	12	13⅓	**10**
10	14⅔	16	17⅓	18⅔	20	21⅓	22⅔	24	25⅓	26⅔	**20**
20	28	29⅓	30⅔	32	33⅓	34⅔	36	37⅓	38⅔	40	**30**
30	41⅓	42⅔	44	45⅓	46⅔	48	49⅓	50⅔	52	53⅓	**40**
40	54⅔	56	57⅓	58⅔	60	61⅓	62⅔	64	65⅓	66⅔	**50**
50	68	69⅓	70⅔	72	73⅓	74⅔	76	77⅓	78⅔	80	**60**
60	81⅓	82⅔	84	85⅓	86⅔	88	89⅓	90⅔	92	93⅓	**70**
70	94⅔	96	97⅓	98⅔	100	101⅓	102⅔	104	105⅓	106⅔	**80**
80	108	109⅓	110⅔	112	113⅓	114⅔	116	117⅓	118⅔	120	**90**
90	121⅓	122⅔	124	125⅓	126⅔	128	129⅓	130⅔	132	133⅓	**100**

1 X 4 2 X 2 = 6

	2	4	6	8	10	12	14	16	18	20	**10**
10	22	24	26	28	30	32	34	36	38	40	**20**
20	42	44	46	48	50	52	54	56	58	60	**30**
30	62	64	66	68	70	72	74	76	78	80	**40**
40	82	84	86	88	90	92	94	96	98	100	**50**
50	102	104	106	108	110	112	114	116	118	120	**60**
60	122	124	126	128	130	132	134	136	138	140	**70**
70	142	144	146	148	150	152	154	156	158	160	**80**
80	162	164	166	168	170	172	174	176	178	180	**90**
90	182	184	186	188	190	192	194	196	198	200	**100**

1 X 4 2 X 2 = 8

	2⅔	5⅓	8	10⅔	13⅓	16	18⅔	21⅓	24	26⅔	**10**
10	29⅓	32	34⅔	37⅓	40	42⅔	45⅓	48	50⅔	53⅓	**20**
20	56	58⅔	61⅓	64	66⅔	69⅓	72	74⅔	77⅓	80	**30**
30	82⅔	85⅓	88	90⅔	93⅓	96	98⅔	101⅓	104	106⅔	**40**
40	109⅓	112	114⅔	117⅓	120	122⅔	125⅓	128	130⅔	133⅓	**50**
50	136	138⅔	141⅓	144	146⅔	149⅓	152	154⅔	157⅓	160	**60**
60	162⅔	165⅓	168	170⅔	173⅓	176	178⅔	181⅓	184	186⅔	**70**
70	189⅓	192	194⅔	197⅓	200	202⅔	205⅓	208	210⅔	213⅓	**80**
80	216	218⅔	221⅓	224	226⅔	229⅓	232	234⅔	237⅓	240	**90**
90	242⅔	245⅓	248	250⅔	253⅓	256	258⅔	261⅓	264	266⅔	**100**

1 X 4 2 X 2 = 10

	3⅓	6⅔	10	13⅓	16⅔	20	23⅓	26⅔	30	33⅓	**10**
10	36⅔	40	43⅓	46⅔	50	53⅓	56⅔	60	63⅓	66⅔	**20**
20	70	73⅓	76⅔	80	83⅓	86⅔	90	93⅓	96⅔	100	**30**
30	103⅓	106⅔	110	113⅓	116⅔	120	123⅓	126⅔	130	133⅓	**40**
40	136⅔	140	143⅓	146⅔	150	153⅓	156⅔	160	163⅓	166⅔	**50**
50	170	173⅓	176⅔	180	183⅓	186⅔	190	193⅓	196⅔	200	**60**
60	203⅓	206⅔	210	213⅓	216⅔	220	223⅓	226⅔	230	233⅓	**70**
70	236⅔	240	243⅓	246⅔	250	253⅓	256⅔	260	263⅓	266⅔	**80**
80	270	273⅓	276⅔	280	283⅓	286⅔	290	293⅓	296⅔	300	**90**
90	303⅓	306⅔	310	313⅓	316⅔	320	323⅓	326⅔	330	333⅓	**100**

For greater number of pieces than shown above, for ½, drop the fraction and annex 5; *for ⅔, annex 6⅔;* **for ⅓, annex 3⅓; for 1-6, annex 1⅔; for 5-6, annex 8⅓;** *see explanations on pages 2, 3 and 4.* **See pages 128 to 200 for other sizes** *above tables give answers for.*

$\begin{matrix}1\times4\\2\times2\end{matrix} = 20$

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	6⅔	13⅓	20	26⅔	33⅓	40	46⅔	53⅓	60	66⅔	10
10	73⅓	80	86⅔	93⅓	100	106⅔	113⅓	120	126⅔	133⅓	20
20	140	146⅔	153⅓	160	166⅔	173⅓	180	186⅔	193⅓	200	30
30	206⅔	213⅓	220	226⅔	233⅓	240	246⅔	253⅓	260	266⅔	40
40	273⅓	280	286⅔	293⅓	300	306⅔	313⅓	320	326⅔	333⅓	50
50	340	346⅔	353⅓	360	366⅔	373⅓	380	386⅔	393⅓	400	60
60	406⅔	413⅓	420	426⅔	433⅓	440	446⅔	453⅓	460	466⅔	70
70	473⅓	480	486⅔	493⅓	500	506⅔	513⅓	520	526⅔	533⅓	80
80	540	546⅔	553⅓	560	566⅔	573⅓	580	586⅔	593⅓	600	90
90	606⅔	613⅓	620	626⅔	633⅓	640	646⅔	653⅓	660	666⅔	100
100	673⅓	680	686⅔	693⅓	700	706⅔	713⅓	720	726⅔	733⅓	110
110	740	746⅔	753⅓	760	766⅔	773⅓	780	786⅔	793⅓	800	120
120	806⅔	813⅓	820	826⅔	833⅓	840	846⅔	853⅓	860	866⅔	130
180	873⅓	880	886⅔	893⅓	900	906⅔	913⅓	920	926⅔	933⅓	140
140	940	946⅔	953⅓	960	966⅔	973⅓	980	986⅔	993⅓	1000	150
150	1006⅔	1013⅓	1020	1026⅔	1033⅓	1040	1046⅔	1053⅓	1060	1066⅔	160
160	1073⅓	1080	1086⅔	1093⅓	1100	1106⅔	1113⅓	1120	1126⅔	1133⅓	170
170	1140	1146⅔	1153⅓	1160	1166⅔	1173⅓	1180	1186⅔	1193⅓	1200	180
180	1206⅔	1213⅓	1220	1226⅔	1233⅓	1240	1246⅔	1253⅓	1260	1266⅔	190
190	1273⅓	1280	1286⅔	1293⅓	1300	1306⅔	1313⅓	1320	1326⅔	1333⅓	200
200	1340	1346⅔	1353⅓	1360	1366⅔	1373⅓	1380	1386⅔	1393⅓	1400	210
210	1406⅔	1413⅓	1420	1426⅔	1433⅓	1440	1446⅔	1453⅓	1460	1466⅔	220
220	1473⅓	1480	1486⅔	1493⅓	1500	1506⅔	1513⅓	1520	1526⅔	1533⅓	230
230	1540	1546⅔	1553⅓	1560	1566⅔	1573⅓	1580	1586⅔	1593⅓	1600	249
240	1606⅔	1613⅓	1620	1626⅔	1633⅓	1640	1646⅔	1653⅓	1660	1666⅔	250
250	1673⅓	1680	1686⅔	1693⅓	1700	1706⅔	1713⅓	1720	1726⅔	1733⅓	260
260	1740	1746⅔	1753⅓	1760	1766⅔	1773⅓	1780	1786⅔	1793⅓	1800	270
270	1806⅔	1813⅓	1820	1826⅔	1833⅓	1840	1846⅔	1853⅓	1860	1866⅔	280
280	1873⅓	1880	1886⅔	1893⅓	1900	1906⅔	1913⅓	1920	1926⅔	1933⅓	290
290	1940	1946⅔	1953⅓	1960	1966⅔	1973⅓	1980	1986⅔	1993⅓	2000	300
300	2006⅔	2013⅓	2020	2026⅔	2033⅓	2040	2046⅔	2053⅓	2060	2066⅔	310
310	2073⅓	2080	2086⅔	2093⅓	2100	2106⅔	2113⅓	2120	2126⅔	2133⅓	320
320	2140	2146⅔	2153⅓	2160	2166⅔	2173⅓	2180	2186⅔	2193⅓	2200	330
330	2206⅔	2213⅓	2220	2226⅔	2233⅓	2240	2246⅔	2253⅓	2260	2266⅔	340
340	2273⅓	2280	2286⅔	2293⅓	2300	2306⅔	2313⅓	2320	2326⅔	2333⅓	350
350	2340	2346⅔	2353⅓	2360	2366⅔	2373⅓	2380	2386⅔	2393⅓	2400	360
360	2406⅔	2413⅓	2420	2426⅔	2433⅓	2440	2446⅔	2453⅓	2460	2466⅔	370
370	2473⅓	2480	2486⅔	2493⅓	2500	2506⅔	2513⅓	2520	2526⅔	2533⅓	380
380	2540	2546⅔	2553⅓	2560	2566⅔	2573⅓	2580	2586⅔	2593⅓	2600	390
390	2606⅔	2613⅓	2620	2626⅔	2633⅓	2640	2646⅔	2653⅓	2660	2666⅔	400
400	2673⅓	2680	2686⅔	2693⅔	2700	2706⅔	2713⅓	2720	2726⅔	2733⅓	410
410	2740	2746⅔	2753⅓	2760	2766⅔	2773⅓	2780	2786⅔	2793⅓	2800	420
420	2806⅔	2813⅓	2820	2826⅔	2833⅓	2840	2846⅔	2853⅓	2860	2866⅔	430
430	2873⅓	2880	2886⅔	2893⅓	2900	2906⅔	2913⅓	2920	2926⅔	2933⅓	440
440	2940	2946⅔	2953⅓	2960	2966⅔	2973⅓	2980	2986⅔	2993⅓	3000	450
450	3006⅔	3013⅓	3020	3026⅔	3033⅓	3040	3046⅔	3053⅓	3060	3066⅔	460
460	3073⅓	3080	3086⅔	3093⅓	3100	3106⅔	3113⅓	3120	3126⅔	3133⅓	470
470	3140	3146⅔	3153⅓	3160	3166⅔	3173⅓	3180	3186⅔	3193⅓	3200	480
480	3206⅔	3213⅓	3220	3226⅔	3233⅓	3240	3246⅔	3253⅓	3260	3266⅔	490
490	3273⅓	3280	3286⅔	3293⅓	3300	3306⅔	3313⅓	3320	3326⅔	3333⅓	500

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

$\begin{matrix}1 \times 5\\ 2 \times 2\frac{1}{2}\end{matrix} = 6$

	1 Piece Feet	2 Pieces Feet	3 Pieces Feet	4 Pieces Feet	5 Pieces Feet	6 Pieces Feet	7 Pieces Feet	8 Pieces Feet	9 Pieces Feet	10 Pieces Feet	
	2½	5	7½	10	12½	15	17½	20	22½	25	**10**
10	27½	30	32½	35	37½	40	42½	45	47½	50	**20**
20	52½	55	57½	60	62½	65	67½	70	72½	75	**30**
30	77½	80	82½	85	87½	90	92½	95	97½	100	**40**
40	102½	105	107½	110	112½	115	117½	120	122½	125	**50**
50	127½	130	132½	135	137½	140	142½	145	147½	150	**60**
60	152½	155	157½	160	162½	165	167½	170	172½	175	**70**
70	177½	180	182½	185	187½	190	192½	195	197½	200	**80**
80	202½	205	207½	210	212½	215	217½	220	222½	225	**90**
90	227½	230	232½	235	237½	240	242½	245	247½	250	**100**

$\begin{matrix}1 \times 5\\ 2 \times 2\frac{1}{2}\end{matrix} = 8$

	3⅓	6⅔	10	13⅓	16⅔	20	23⅓	26⅔	30	33⅓	**10**
10	36⅔	40	43⅓	46⅔	50	53⅓	56⅔	60	63⅓	66⅔	**20**
20	70	73⅓	76⅔	80	83⅓	86⅔	90	93⅓	96⅔	100	**30**
30	103⅓	106⅔	110	113⅓	116⅔	120	123⅓	126⅔	130	133⅓	**40**
40	136⅔	140	143⅓	146⅔	150	153⅓	156⅔	160	163⅓	166⅔	**50**
50	170	173⅓	176⅔	180	183⅓	186⅔	190	193⅓	196⅔	200	**60**
60	203⅓	206⅔	210	213⅓	216⅔	220	223⅓	226⅔	230	233⅓	**70**
70	236⅔	240	243⅓	246⅔	250	253⅓	256⅔	260	263⅓	266⅔	**80**
80	270	273⅓	276⅔	280	283⅓	286⅔	290	293⅓	296⅔	300	**90**
90	303⅓	306⅔	310	313⅓	316⅔	320	323⅓	326⅔	330	333⅓	**100**

$\begin{matrix}1 \times 5\\ 2 \times 2\frac{1}{2}\end{matrix} = 10$

	4⅙	8⅓	12½	16⅔	20⅚	25	29⅙	33⅓	37½	41⅔	**10**
10	45⅚	50	54⅙	58⅓	62½	66⅔	70⅚	75	79⅙	83⅓	**20**
20	87½	91⅔	95⅚	100	104⅙	108⅓	112½	116⅔	120⅚	125	**30**
30	129⅙	133⅓	137½	141⅔	145⅚	150	154⅙	158⅓	162½	166⅔	**40**
40	170⅚	175	179⅙	183⅓	187½	191⅔	195⅚	200	204⅙	208⅓	**50**
50	212½	216⅔	220⅚	225	229⅙	233⅓	237½	241⅔	245⅚	250	**60**
60	254⅙	258⅓	262½	266⅔	270⅚	275	279⅙	283⅓	287½	291⅔	**70**
70	295⅚	300	304⅙	308⅓	312½	316⅔	320⅚	325	329⅙	333⅓	**80**
80	337½	341⅔	345⅚	350	354⅙	358⅓	362½	366⅔	370⅚	375	**90**
90	379⅙	383⅓	387½	391⅔	395⅚	400	404⅙	408⅓	412½	416⅔	**100**

$\begin{matrix}1 \times 5\\ 2 \times 2\frac{1}{2}\end{matrix} = 12$

	5	10	15	20	25	30	35	40	45	50	**10**
10	55	60	65	70	75	80	85	90	95	100	**20**
20	105	110	115	120	125	130	135	140	145	150	**30**
30	155	160	165	170	175	180	185	190	195	200	**40**
40	205	210	215	220	225	230	235	240	245	250	**50**
50	255	260	265	270	275	280	285	290	295	300	**60**
60	305	310	315	320	325	330	335	340	345	350	**70**
70	355	360	365	370	375	380	385	390	395	400	**80**
80	405	410	415	420	425	430	435	440	445	450	**90**
90	455	460	465	470	475	480	485	490	495	500	**100**

For ***greater*** number of pieces than shown above, for ½, drop the fraction ***and annex 5; for ⅔***, annex 6⅔; for ⅓, annex 3⅓; for 1-6, annex 1⅔; for 5-6, annex ***8⅓; see explanations*** on pages 2, 3 and 4. See pages 123 to 201 for other sizes ***above tables give*** answers for.

1 X 5 / 2 X 2½ = 14

	1 Piece Feet	2 Pieces Feet	3 Pieces Feet	4 Pieces Feet	5 Pieces Feet	6 Pieces Feet	7 Pieces Feet	8 Pieces Feet	9 Pieces Feet	10 Pieces Feet	
	5⅚	11⅔	17½	23⅓	29⅙	35	40⅚	46⅔	52½	58⅓	**10**
10	64⅙	70	75⅚	81⅔	87½	93⅓	99⅙	105	110⅚	116⅔	**20**
20	122½	128⅓	134⅙	140	145⅚	151⅔	157½	163⅓	169⅙	175	**30**
30	180⅚	186⅔	192½	198⅓	204⅙	210	215⅚	221⅔	227½	233⅓	**40**
40	239⅙	245	250⅚	256⅔	262½	268⅓	274⅙	280	285⅚	291⅔	**50**
50	297½	303⅓	309⅙	315	320⅚	326⅔	332½	338⅓	344⅙	350	**60**
60	355⅚	361⅔	367½	373⅓	379⅙	385	390⅚	396⅔	402½	408⅓	**70**
70	414⅙	420	425⅚	431⅔	437½	443⅓	449⅙	455	460⅚	466⅔	**80**
80	472½	478⅓	484⅙	490	495⅚	501⅔	507½	513⅓	519⅙	525	**90**
90	530⅚	536⅔	542½	548⅓	554⅙	560	565⅚	571⅔	577½	583⅓	**100**

1 X 5 / 2 X 2½ = 16

	6⅔	13⅓	20	26⅔	33⅓	40	46⅔	53⅓	60	66⅔	**10**
10	73⅓	80	86⅔	93⅓	100	106⅔	113⅓	120	126⅔	133⅓	**20**
20	140	146⅔	153⅓	160	166⅔	173⅓	180	186⅔	193⅓	200	**30**
30	206⅔	213⅓	220	226⅔	233⅓	240	246⅔	253⅓	260	266⅔	**40**
40	273⅓	280	286⅔	293⅓	300	306⅔	313⅓	320	326⅔	333⅓	**50**
50	340	346⅔	353⅓	360	366⅔	373⅓	380	386⅔	393⅓	400	**60**
60	406⅔	413⅓	420	426⅔	433⅓	440	446⅔	453⅓	460	466⅔	**70**
70	473⅓	480	486⅔	493⅓	500	506⅔	513⅓	520	526⅔	533⅓	**80**
80	540	546⅔	553⅓	560	566⅔	573⅓	580	586⅔	593⅓	600	**90**
90	606⅔	613⅓	620	626⅔	633⅓	640	646⅔	653⅓	660	666⅔	**100**

1 X 5 / 2 X 2½ = 18

	7½	15	22½	30	37½	45	52½	60	67½	75	**10**
10	82½	90	97½	105	112½	120	127½	135	142½	150	**20**
20	157½	165	172½	180	187½	195	202½	210	217½	225	**30**
30	232½	240	247½	255	262½	270	277½	285	292½	300	**40**
40	307½	315	322½	330	337½	345	352½	360	367½	375	**50**
50	382½	390	397½	405	412½	420	427½	435	442½	450	**60**
60	457½	465	472½	480	487½	495	502½	510	517½	525	**70**
70	532½	540	547½	555	562½	570	577½	585	592½	600	**80**
80	607½	615	622½	630	637½	645	652½	660	667½	675	**90**
90	682½	690	697½	705	712½	720	727½	735	742½	750	**100**

1 X 5 / 2 X 2½ = 20

	8⅓	16⅔	25	33⅓	41⅔	50	58⅓	66⅔	75	83⅓	**10**
10	91⅔	100	108⅓	116⅔	125	133⅓	141⅔	150	158⅓	166⅔	**20**
20	175	183⅓	191⅔	200	208⅓	216⅔	225	233⅓	241⅔	250	**30**
30	258⅓	266⅔	275	283⅓	291⅔	300	308⅓	316⅔	325	333⅓	**40**
40	341⅔	350	358⅓	366⅔	375	383⅓	391⅔	400	408⅓	416⅔	**50**
50	425	433⅓	441⅔	450	458⅓	466⅔	475	483⅓	491⅔	500	**60**
60	508⅓	516⅔	525	533⅓	541⅔	550	558⅓	566⅔	575	583⅓	**70**
70	591⅔	600	608⅓	616⅔	625	633⅓	641⅔	650	658⅓	666⅔	**80**
80	675	683⅓	691⅔	700	708⅓	716⅔	725	733⅓	741⅔	750	**90**
90	758⅓	766⅔	775	783⅓	791⅔	800	808⅓	816⅔	825	833⅓	**100**

Example: To find number of feet in 430 pieces 1x5=14, see table above for 1x5—14. *43 pieces 250 5-6 feet for 430 pieces* drop fraction 5-6 and add 8⅓, 430 pieces 2,508⅓ feet. *If 4,300 pieces drop fraction* ⅓ and add 3⅓, 4,300 25,083⅓ feet. See pages 2, 3 and 4 for *further explanations.*

1 X 6 / 2 X 3 = 4

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	
	2	4	6	8	10	12	14	16	18	20	10
10	22	24	26	28	30	32	34	36	38	40	20
20	42	44	46	48	50	52	54	56	58	60	30
30	62	64	66	68	70	72	74	76	78	80	40
40	82	84	86	88	90	92	94	96	98	100	50
50	102	104	106	108	110	112	114	116	118	120	60
60	122	124	126	128	130	132	134	136	138	140	70
70	142	144	146	148	150	152	154	156	158	160	80
80	162	164	166	168	170	172	174	176	178	180	90
90	182	184	186	188	190	192	194	196	198	200	100

1 X 6 / 2 X 3 = 6

	3	6	9	12	15	18	21	24	27	30	10
10	33	36	39	42	45	48	51	54	57	60	20
20	63	66	69	72	75	78	81	84	87	90	30
30	93	96	99	102	105	108	111	114	117	120	40
40	123	126	129	132	135	138	141	144	147	150	50
50	153	156	159	162	165	168	171	174	177	180	60
60	183	186	189	192	195	198	201	204	207	210	70
70	213	216	219	222	225	228	231	234	237	240	80
80	243	246	249	252	255	258	261	264	267	270	90
90	273	276	279	282	285	288	291	294	297	300	100

1 X 6 / 2 X 3 = 8

	4	8	12	16	20	24	28	32	36	40	10
10	44	48	52	56	60	64	68	72	76	80	20
20	84	88	92	96	100	104	108	112	116	120	30
30	124	128	132	136	140	144	148	152	156	160	40
40	164	168	172	176	180	184	188	192	196	200	50
50	204	208	212	216	220	224	228	232	236	240	60
60	244	248	252	256	260	264	268	272	276	280	70
70	284	288	292	296	300	304	308	312	316	320	80
80	324	328	332	336	340	344	348	352	356	360	90
90	364	368	372	376	380	384	388	392	396	400	100

1 X 6 / 2 X 3 = 10

	5	10	15	20	25	30	35	40	45	50	10
10	55	60	65	70	75	80	85	90	95	100	20
20	105	110	115	120	125	130	135	140	145	150	30
30	155	160	165	170	175	180	185	190	195	200	40
40	205	210	215	220	225	230	235	240	245	250	50
50	255	260	265	270	275	280	285	290	295	300	60
60	305	310	315	320	325	330	335	340	345	350	70
70	355	360	365	370	375	380	385	390	395	400	80
80	405	410	415	420	425	430	435	440	445	450	90
90	455	460	465	470	475	480	485	490	495	500	100

For greater number of pieces than shown above, for ½, drop the fraction and annex 5; for ⅔, annex 6⅔; for ⅓, annex 3⅓; for 1-6, annex 1⅔; for 5-6, annex 8⅓; ***see explanations on pages 2, 3 and 4.*** **See pages 123 to 200 for other sizes** ***above tables give answers for.***

1 x 6
2 x 3 = 12

	1 Piece Feet	2 Pieces Feet	3 Pieces Feet	4 Pieces Feet	5 Pieces Feet	6 Pieces Feet	7 Pieces Feet	8 Pieces Feet	9 Pieces Feet	10 Pieces Feet	
	6	12	18	24	30	36	42	48	54	60	**10**
10	66	72	78	84	90	96	102	108	114	120	**20**
20	126	132	138	144	150	156	162	168	174	180	**30**
30	186	192	198	204	210	216	222	228	234	240	**40**
40	246	252	258	264	270	276	282	288	294	300	**50**
50	306	312	318	324	330	336	342	348	354	360	**60**
60	366	372	378	384	390	396	402	408	414	420	**70**
70	426	432	438	444	450	456	462	468	474	480	**80**
80	486	492	498	504	510	516	522	528	534	540	**90**
90	546	552	558	564	570	576	582	588	594	600	**100**
100	606	612	618	624	630	636	642	648	654	660	**110**
110	666	672	678	684	690	696	702	708	714	720	**120**
120	726	732	738	744	750	756	762	768	774	780	**130**
130	786	792	798	804	810	816	822	828	834	840	**140**
140	846	852	858	864	870	876	882	888	894	900	**150**
150	906	912	918	924	930	936	942	948	954	960	**160**
160	966	972	978	984	990	996	1002	1008	1014	1020	**170**
170	1026	1032	1038	1044	1050	1056	1062	1068	1074	1080	**180**
180	1086	1092	1098	1104	1110	1116	1122	1128	1134	1140	**190**
190	1146	1152	1158	1164	1170	1176	1182	1188	1194	1200	**200**
200	1206	1212	1218	1224	1230	1236	1242	1248	1254	1260	**210**
210	1266	1272	1278	1284	1290	1296	1302	1308	1314	1320	**220**
220	1326	1332	1338	1344	1350	1356	1362	1368	1374	1380	**230**
230	1386	1392	1398	1404	1410	1416	1422	1428	1434	1440	**240**
240	1446	1452	1458	1464	1470	1476	1482	1488	1494	1500	**250**
250	1506	1512	1518	1524	1530	1536	1542	1548	1554	1560	**260**
260	1566	1572	1578	1584	1590	1596	1602	1608	1614	1620	**270**
270	1626	1632	1638	1644	1650	1656	1662	1668	1674	1680	**280**
280	1686	1692	1698	1704	1710	1716	1722	1728	1734	1740	**290**
290	1746	1752	1758	1764	1770	1776	1782	1788	1794	1800	**300**
300	1806	1812	1818	1824	1830	1836	1842	1848	1854	1860	**310**
310	1866	1872	1878	1884	1890	1896	1902	1908	1914	1920	**320**
320	1926	1932	1938	1944	1950	1956	1962	1968	1974	1980	**330**
330	1986	1992	1998	2004	2010	2016	2022	2028	2034	2040	**340**
340	2046	2052	2058	2064	2070	2076	2082	2088	2094	2100	**350**
350	2106	2112	2118	2124	2130	2136	2142	2148	2154	2160	**360**
360	2166	2172	2178	2184	2190	2196	2202	2208	2214	2220	**370**
370	2226	2232	2238	2244	2250	2256	2262	2268	2274	2280	**380**
380	2286	2292	2298	2304	2310	2316	2322	2328	2334	2340	**390**
390	2346	2352	2358	2364	2370	2376	2382	2388	2394	2400	**400**
400	2406	2412	2418	2424	2430	2436	2442	2448	2454	2460	**410**
410	2466	2472	2478	2484	2490	2496	2502	2508	2514	2520	**420**
420	2526	2532	2538	2544	2550	2556	2562	2568	2574	2580	**430**
430	2586	2592	2598	2604	2610	2616	2622	2628	2634	2640	**440**
440	2646	2652	2658	2664	2670	2676	2682	2688	2694	2700	**450**
450	2706	2712	2718	2724	2730	2736	2742	2748	2754	2760	**460**
460	2766	2772	2778	2784	2790	2796	2802	2808	2814	2820	**470**
470	2826	2832	2838	2844	2850	2856	2862	2868	2874	2880	**480**
480	2886	2892	2898	2904	2910	2916	2922	2928	2934	2940	**490**
490	2946	2952	2958	2964	2970	2976	2982	2988	2994	3000	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

$\begin{smallmatrix}1\times6\\2\times3\end{smallmatrix}$ = 4

	1 Piece Feet.	2 Pieces Feet	3 Pieces Feet.	4 Pieces Feet.	5 Pieces Feet.	6 Pieces Feet.	7 Pieces Feet.	8 Pieces Feet.	9 Pieces Feet.	10 Pieces Feet.	
	7	14	21	28	35	42	49	56	63	70	**10**
10	77	84	91	98	105	112	119	126	133	140	**20**
20	147	154	161	168	175	182	189	196	203	210	**30**
30	217	224	231	238	245	252	259	266	273	280	**40**
40	287	294	301	308	315	322	329	336	343	350	**50**
50	357	364	371	378	385	392	399	406	413	420	**60**
60	427	434	441	448	455	462	469	476	483	490	**70**
70	497	504	511	518	525	532	539	546	553	560	**80**
80	567	574	581	588	595	602	609	616	623	630	**90**
90	637	644	651	658	665	672	679	686	693	700	**100**
100	707	714	721	728	735	742	749	756	763	770	**110**
110	777	784	791	798	805	812	819	826	833	840	**120**
120	847	854	861	868	875	882	889	896	903	910	**130**
130	917	924	931	938	945	952	959	966	973	980	**140**
140	987	994	1001	1008	1015	1022	1029	1036	1043	1050	**150**
150	1057	1064	1071	1078	1085	1092	1099	1106	1113	1120	**160**
160	1127	1134	1141	1148	1155	1162	1169	1176	1183	1190	**170**
170	1197	1204	1211	1218	1225	1232	1239	1246	1253	1260	**180**
180	1267	1274	1281	1288	1295	1302	1309	1316	1323	1330	**190**
190	1337	1344	1351	1358	1365	1372	1379	1386	1393	1400	**200**
200	1407	1414	1421	1428	1435	1442	1449	1456	1463	1470	**210**
210	1477	1484	1491	1498	1505	1512	1519	1526	1533	1540	**220**
220	1547	1554	1561	1568	1575	1582	1589	1596	1603	1610	**230**
230	1617	1624	1631	1638	1645	1652	1659	1666	1673	1680	**240**
240	1687	1694	1701	1708	1715	1722	1729	1736	1743	1750	**250**
250	1757	1764	1771	1778	1785	1792	1799	1806	1813	1820	**260**
260	1827	1834	1841	1848	1855	1862	1869	1876	1883	1890	**270**
270	1897	1904	1911	1918	1925	1932	1939	1946	1953	1960	**280**
280	1967	1974	1981	1988	1995	2002	2009	2016	2023	2030	**290**
290	2037	2044	2051	2058	2065	2072	2079	2086	2093	2100	**300**
300	2107	2114	2121	2128	2135	2142	2149	2156	2163	2170	**310**
310	2177	2184	2191	2198	2205	2212	2219	2226	2233	2240	**320**
320	2247	2254	2261	2268	2275	2282	2289	2296	2303	2310	**330**
330	2317	2324	2331	2338	2345	2352	2359	2366	2373	2380	**340**
340	2387	2394	2401	2408	2415	2422	2429	2436	2443	2450	**350**
350	2457	2464	2471	2478	2485	2492	2499	2506	2513	2520	**360**
360	2527	2534	2541	2548	2555	2562	2569	2576	2583	2590	**370**
370	2597	2604	2611	2618	2625	2632	2639	2646	2653	2660	**380**
380	2667	2674	2681	2688	2695	2702	2709	2716	2723	2730	**390**
390	2737	2744	2751	2758	2765	2772	2779	2786	2793	2800	**400**
400	2807	2814	2821	2828	2835	2842	2849	2856	2863	2870	**410**
410	2877	2884	2891	2898	2905	2912	2919	2926	2933	2940	**420**
420	2947	2954	2961	2968	2975	2982	2989	2996	3003	3010	**430**
430	3017	3024	3031	3038	3045	3052	3059	3066	3073	3080	**440**
440	3087	3094	3101	3108	3115	3122	3129	3136	3143	3150	**450**
450	3157	3164	3171	3178	3185	3192	3199	3206	3213	3220	**460**
460	3227	3234	3241	3248	3255	3262	3269	3276	3283	3290	**470**
470	3297	3304	3311	3318	3325	3332	3339	3346	3353	3360	**480**
480	3367	3374	3381	3388	3395	3402	3409	3416	3423	3430	**490**
490	3437	3444	3451	3458	3465	3472	3479	3486	3493	3500	**500**

For greater number of pieces than shown above, see ***explanations*** on pages 2, 3 and 4.

$\frac{1 \times 6}{2 \times 3} = 16$

	1 Piece	**2** Pieces	**3** Pieces	**4** Pieces	**5** Pieces	**6** Pieces	**7** Pieces	**8** Pieces	**9** Pieces	**10** Pieces	
	Feet	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	8	16	24	32	40	48	56	64	72	80	**10**
10	88	96	104	112	120	128	136	144	152	160	**20**
20	168	176	184	192	200	208	216	224	232	240	**30**
30	248	256	264	272	280	288	296	304	312	320	**40**
40	328	336	344	352	360	368	376	384	392	400	**50**
50	408	416	424	432	440	448	456	464	472	480	**60**
60	488	496	504	512	520	528	536	544	552	560	**70**
70	568	576	584	592	600	608	616	624	632	640	**80**
80	648	656	664	672	680	688	696	704	712	720	**90**
90	728	736	744	752	760	768	776	784	792	800	**100**
100	808	816	824	832	840	848	856	864	872	880	**110**
110	888	896	904	912	920	928	936	944	952	960	**120**
120	968	976	984	992	1000	1008	1016	1024	1032	1040	**130**
130	1048	1056	1064	1072	1080	1088	1096	1104	1112	1120	**140**
140	1128	1136	1144	1152	1160	1168	1176	1184	1192	1200	**150**
150	1208	1216	1224	1232	1240	1248	1256	1264	1272	1280	**160**
160	1288	1296	1304	1312	1320	1328	1336	1344	1352	1360	**170**
170	1368	1376	1384	1392	1400	1408	1416	1424	1432	1440	**180**
180	1448	1456	1464	1472	1480	1488	1496	1504	1512	1520	**190**
190	1528	1536	1544	1552	1560	1568	1576	1584	1592	1600	**200**
200	1608	1616	1624	1632	1640	1648	1656	1664	1672	1680	**210**
210	1688	1696	1704	1712	1720	1728	1736	1744	1752	1760	**220**
220	1768	1776	1784	1792	1800	1808	1816	1824	1832	1840	**230**
230	1848	1856	1864	1872	1880	1888	1896	1904	1912	1920	**240**
240	1928	1936	1944	1952	1960	1968	1976	1984	1992	2000	**250**
250	2008	2016	2024	2032	2040	2048	2056	2064	2072	2080	**260**
260	2088	2096	2104	2112	2120	2128	2136	2144	2152	2160	**270**
270	2168	2176	2184	2192	2200	2208	2216	2224	2232	2240	**280**
280	2248	2256	2264	2272	2280	2288	2296	2304	2312	2320	**290**
290	2328	2336	2344	2352	2360	2368	2376	2384	2392	2400	**300**
300	2408	2416	2424	2432	2440	2448	2456	2464	2472	2480	**310**
310	2488	2496	2504	2512	2520	2528	2536	2544	2552	2560	**320**
320	2568	2576	2584	2592	2600	2608	2616	2624	2632	2640	**330**
330	2648	2656	2664	2672	2680	2688	2696	2704	2712	2720	**340**
340	2728	2736	2744	2752	2760	2768	2776	2784	2792	2800	**350**
350	2808	2816	2824	2832	2840	2848	2856	2864	2872	2880	**360**
360	2888	2896	2904	2912	2920	2928	2936	2944	2952	2960	**370**
370	2968	2976	2984	2992	3000	3008	3016	3024	3032	3040	**380**
380	3048	3056	3064	3072	3080	3088	3096	3104	3112	3120	**390**
390	3128	3136	3144	3152	3160	3168	3176	3184	3192	3200	**400**
400	3208	3216	3224	3232	3240	3248	3256	3264	3272	3280	**410**
410	3288	3296	3304	3312	3320	3328	3336	3344	3352	3360	**420**
420	3368	3376	3384	3392	3400	3408	3416	3424	3432	3440	**430**
430	3448	3456	3464	3472	3480	3488	3496	3504	3512	3520	**440**
440	3528	3536	3544	3552	3560	3568	3576	3584	3592	3600	**450**
450	3608	3616	3624	3632	3640	3648	3656	3664	3672	3680	**460**
460	3688	3696	3704	3712	3720	3728	3736	3744	3752	3760	**470**
470	3768	3776	3784	3792	3800	3808	3816	3824	3832	3840	**480**
480	3848	3856	3864	3872	3880	3888	3896	3904	3912	3920	**490**
490	3928	3936	3944	3952	3960	3968	3976	3984	3992	4000	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

$\frac{1 \times 6}{2 \times 3} = 18$

	1 Piece Feet.	2 Pieces Feet.	3 Pieces Feet.	4 Pieces Feet.	5 Pieces Feet.	6 Pieces Feet.	7 Pieces Feet.	8 Pieces Feet.	9 Pieces Feet.	10 Pieces Feet.	
	9	18	27	36	45	54	63	72	81	90	**10**
10	99	108	117	126	135	144	153	162	171	180	**20**
20	189	198	207	216	225	234	243	252	261	270	**30**
30	279	288	297	306	315	324	333	342	351	360	**40**
40	369	378	387	396	405	414	423	432	441	450	**50**
50	459	468	477	486	495	504	513	522	531	540	**60**
60	549	558	567	576	585	594	603	612	621	630	**70**
70	639	648	657	666	675	684	693	702	711	720	**80**
80	729	738	747	756	765	774	783	792	801	810	**90**
90	819	828	837	846	855	864	873	882	891	900	**100**
100	909	918	927	936	945	954	963	972	981	990	**110**
110	999	1008	1017	1026	1035	1044	1053	1062	1071	1080	**120**
120	1089	1098	1107	1116	1125	1134	1143	1152	1161	1170	**130**
130	1179	1188	1197	1206	1215	1224	1233	1242	1251	1260	**140**
140	1269	1278	1287	1296	1305	1314	1323	1332	1341	1350	**150**
150	1359	1368	1377	1386	1395	1404	1413	1422	1431	1440	**160**
160	1449	1458	1467	1476	1485	1494	1503	1512	1521	1530	**170**
170	1539	1548	1557	1566	1575	1584	1593	1602	1611	1620	**180**
180	1629	1638	1647	1656	1665	1674	1683	1692	1701	1710	**190**
190	1719	1728	1737	1746	1755	1764	1773	1782	1791	1800	**200**
200	1809	1818	1827	1836	1845	1854	1863	1872	1881	1890	**210**
210	1899	1908	1917	1926	1935	1944	1953	1962	1971	1980	**220**
220	1989	1998	2007	2016	2025	2034	2043	2052	2061	2070	**230**
230	2079	2088	2097	2106	2115	2124	2133	2142	2151	2160	**240**
240	2169	2178	2187	2196	2205	2214	2223	2232	2241	2250	**250**
250	2259	2268	2277	2286	2295	2304	2313	2322	2331	2340	**260**
260	2349	2358	2367	2376	2385	2394	2403	2412	2421	2430	**270**
270	2439	2448	2457	2466	2475	2484	2493	2502	2511	2520	**280**
280	2529	2538	2547	2556	2565	2574	2583	2592	2601	2610	**290**
290	2619	2628	2637	2646	2655	2664	2673	2682	2691	2700	**300**
300	2709	2718	2727	2736	2745	2754	2763	2772	2781	2790	**310**
310	2799	2808	2817	2826	2835	2844	2853	2862	2871	2880	**320**
320	2889	2898	2907	2916	2925	2934	2943	2952	2961	2970	**330**
330	2979	2988	2997	3006	3015	3024	3033	3042	3051	3060	**340**
340	3069	3078	3087	3096	3105	3114	3123	3132	3141	3150	**350**
350	3159	3168	3177	3186	3195	3204	3213	3222	3231	3240	**360**
360	3249	3258	3267	3276	3285	3294	3303	3312	3321	3330	**370**
370	3339	3348	3357	3366	3375	3384	3393	3402	3411	3420	**380**
380	3429	3438	3447	3456	3465	3474	3483	3492	3501	3510	**390**
390	3519	3528	3537	3546	3555	3564	3573	3582	3591	3600	**400**
400	3609	3618	3627	3636	3645	3654	3663	3672	3681	3690	**410**
410	3699	3708	3717	3726	3735	3744	3753	3762	3771	3780	**420**
420	3789	3798	3807	3816	3825	3834	3843	3852	3861	3870	**430**
430	3879	3888	3897	3906	3915	3924	3933	3942	3951	3960	**440**
440	3969	3978	8987	3996	4005	4014	4023	4032	4041	4050	**450**
450	4059	4068	4077	4086	4095	4104	4113	4122	4131	4140	**460**
460	4149	4158	4167	4176	4185	4194	4203	4212	4221	4230	**470**
470	4239	4248	4257	4266	4275	4284	4293	4302	4311	4320	**480**
480	4329	4338	4347	4356	4365	4374	4383	4392	4401	4410	**490**
490	4419	4428	4437	4446	4455	4464	4473	4482	4491	4500	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

1 x 6
2 x 3

20

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	10	20	30	40	50	60	70	80	90	100	**10**
10	110	120	130	140	150	160	170	180	190	200	**20**
20	210	220	230	240	250	260	270	280	290	300	**30**
30	310	320	330	340	350	360	370	380	390	400	**40**
40	410	420	430	440	450	460	470	480	490	500	**50**
50	510	520	530	540	550	560	570	580	590	600	**60**
60	610	620	630	640	650	660	670	680	690	700	**70**
70	710	720	730	740	750	760	770	780	790	800	**80**
80	810	820	830	840	850	860	870	880	890	900	**90**
90	910	920	930	940	950	960	970	980	990	1000	**100**
100	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	**110**
110	1110	1120	1130	1140	1150	1160	1170	1180	1190	1200	**120**
120	1210	1220	1230	1240	1250	1260	1270	1280	1290	1300	**130**
130	1310	1320	1330	1340	1350	1360	1370	1380	1390	1400	**140**
140	1410	1420	1430	1440	1450	1460	1470	1480	1490	1500	**150**
150	1510	1520	1530	1540	1550	1560	1570	1580	1590	1600	**160**
160	1610	1620	1630	1640	1650	1660	1670	1680	1690	1700	**170**
170	1710	1720	1730	1740	1750	1760	1770	1780	1790	1800	**180**
180	1810	1820	1830	1840	1850	1860	1870	1880	1890	1900	**190**
190	1910	1920	1930	1940	1950	1960	1970	1980	1990	2000	**200**
200	2010	2020	2030	2040	2050	2060	2070	2080	2090	2100	**210**
210	2110	2120	2130	2140	2150	2160	2170	2180	2190	2200	**220**
220	2210	2220	2230	2240	2250	2260	2270	2280	2290	2300	**230**
230	2310	2320	2330	2340	2350	2360	2370	2380	2390	2400	**240**
240	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500	**250**
250	2510	2520	2530	2540	2550	2560	2570	2580	2590	2600	**260**
260	2610	2620	2630	2640	2650	2660	2670	2680	2690	2700	**270**
270	2710	2720	2730	2740	2750	2760	2770	2780	2790	2800	**280**
280	2810	2820	2830	2840	2850	2860	2870	2880	2890	2900	**290**
290	2910	2920	2930	2940	2950	2960	2970	2980	2990	3000	**300**
300	3010	3020	3030	3040	3050	3060	3070	3080	3090	3100	**310**
310	3110	3120	3130	3140	3150	3160	3170	3180	3190	3200	**320**
320	3210	3220	3230	3240	3250	3260	3270	3280	3290	3300	**330**
330	3310	3320	3330	3340	3350	3360	3370	3380	3390	3400	**340**
340	3410	3420	3430	3440	3450	3460	3470	3480	3490	3500	**350**
350	3510	3520	3530	3540	3550	3560	3570	3580	3590	3600	**360**
360	3610	3620	3630	3640	3650	3660	3670	3680	3690	3700	**370**
370	3710	3720	3730	3740	3750	3760	3770	3780	3790	3800	**380**
380	3810	3820	3830	3840	3850	3860	3870	3880	3890	3900	**390**
390	3910	3920	3930	3940	3950	3960	3970	3980	3990	4000	**400**
400	4010	4020	4030	4040	4050	4060	4070	4080	4090	4100	**410**
410	4110	4120	4130	4140	4150	4160	4170	4180	4190	4200	**420**
420	4210	4220	4230	4240	4250	4260	4270	4280	4290	4300	**430**
430	4310	4320	4330	4340	4350	4360	4370	4380	4390	4400	**440**
440	4410	4420	4430	4440	4450	4460	4470	4480	4490	4500	**450**
450	4510	4520	4530	4540	4550	4560	4570	4580	4590	4600	**460**
460	4610	4620	4630	4640	4650	4660	4670	4680	4690	4700	**470**
470	4710	4720	4730	4740	4750	4760	4770	4780	4790	4800	**480**
480	4810	4820	4830	4840	4850	4860	4870	4880	4890	4900	**490**
490	4910	4920	4930	4940	4950	4960	4970	4980	4990	5000	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

$\begin{matrix}1 \text{ X } 7 \\ 2 \text{ X } 3\frac{1}{2}\end{matrix} = 6$

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	
	3½	7	10½	14	17½	21	24½	28	31½	35	**10**
10	38½	42	45½	49	52½	56	59½	63	66½	70	**20**
20	73½	77	80½	84	87½	91	94½	98	101½	105	**30**
30	108½	112	115½	119	122½	126	129½	133	136½	140	**40**
40	143½	147	150½	154	157½	161	164½	168	171½	175	**50**
50	178½	182	185½	189	192½	196	199½	203	206½	210	**60**
60	213½	217	220½	224	227½	231	234½	238	241½	245	**70**
70	248½	252	255½	259	262½	266	269½	273	276½	280	**80**
80	283½	287	290½	294	297½	301	304½	308	311½	315	**90**
90	318½	322	325½	329	332½	336	339½	343	346½	350	**100**

$\begin{matrix}1 \text{ X } 7 \\ 2 \text{ X } 3\frac{1}{2}\end{matrix} = 8$

	4⅔	9⅓	14	18⅔	23⅓	28	32⅔	37⅓	42	46⅔	**10**
10	51⅓	56	60⅔	65⅓	70	74⅔	79⅓	84	88⅔	93⅓	**20**
20	98	102⅔	107⅓	112	116⅔	121⅓	126	130⅔	135⅓	140	**30**
30	144⅔	149⅓	154	158⅔	163⅓	168	172⅔	177⅓	182	186⅔	**40**
40	191⅓	196	200⅔	205⅓	210	214⅔	219⅓	224	228⅔	233⅓	**50**
50	238	242⅔	247⅓	252	256⅔	261⅓	266	270⅔	275⅓	280	**60**
60	284⅔	289⅓	294	298⅔	303⅓	308	312⅔	317⅓	322	326⅔	**70**
70	331⅓	336	340⅔	345⅓	350	354⅔	359⅓	364	368⅔	373⅓	**80**
80	378	382⅔	387⅓	392	396⅔	401⅓	406	410⅔	415⅓	420	**90**
90	424⅔	429⅓	434	438⅔	443⅓	448	452⅔	457⅓	462	466⅔	**100**

$\begin{matrix}1 \text{ X } 7 \\ 2 \text{ X } 3\frac{1}{2}\end{matrix} = 10$

	5⅚	11⅔	17½	23⅓	29⅙	35	40⅚	46⅔	52½	58⅓	**10**
10	64⅙	70	75⅚	81⅔	87½	93⅓	99⅙	105	110⅚	116⅔	**20**
20	122½	128⅓	134⅙	140	145⅚	151⅔	157½	163⅓	169⅙	175	**30**
30	180⅚	186⅔	192½	198⅓	204⅙	210	215⅚	221⅔	227½	233⅓	**40**
40	239⅙	245	250⅚	256⅔	262½	268⅓	274⅙	280	285⅚	291⅔	**50**
50	297½	303⅓	309⅙	315	320⅚	326⅔	332½	338⅓	344⅙	350	**60**
60	355⅚	361⅔	367½	373⅓	379⅙	385	390⅚	396⅔	402½	408⅓	**70**
70	414⅙	420	425⅚	431⅔	437½	443⅓	449⅙	455	460⅚	466⅔	**80**
80	472½	478⅓	484⅙	490	495⅚	501⅔	507½	513⅓	519⅙	525	**90**
90	530⅚	536⅔	542½	548⅓	554⅙	560	565⅚	571⅔	577½	583⅓	**100**

$\begin{matrix}1 \text{ X } 7 \\ 2 \text{ X } 3\frac{1}{2}\end{matrix} = 12$

	7	14	21	28	35	42	49	56	63	70	**10**
10	77	84	91	98	105	112	119	126	133	140	**20**
20	147	154	161	168	175	182	189	196	203	210	**30**
30	217	224	231	238	245	252	259	266	273	280	**40**
40	287	294	301	308	315	322	329	336	343	350	**50**
50	357	364	371	378	385	392	399	406	413	420	**60**
60	427	434	441	448	455	462	469	476	483	490	**70**
70	497	504	511	518	525	532	539	546	553	560	**80**
80	567	574	581	588	595	602	609	616	623	630	**90**
90	637	644	651	658	665	672	679	686	693	700	**100**

For greater number *of pieces* **than shown above, for ½, drop the fraction and annex** *5; for ⅔,* **annex** *6⅔;* **for ⅓, annex 3⅓; for 1-6, annex 1⅔; for 5-6, annex** *8⅓; see explanations on pages* **2, 3 and 4. See pages 128 to 200 for other sizes** *above tables give answers for.*

1 X 7 / 2 X 3½ = 14

	1 Piece Feet	2 Pieces Feet	3 Pieces Feet	4 Pieces Feet	5 Pieces Feet	6 Pieces Feet	7 Pieces Feet	8 Pieces Feet	9 Pieces Feet	10 Pieces Feet	
	8⅙	16⅓	24½	32⅔	40⅚	49	57⅙	65⅓	73½	81⅔	**10**
10	89⅚	98	106⅙	114⅓	122½	130⅔	138⅚	147	155⅙	163⅓	**20**
20	171½	179⅔	187⅚	196	204⅙	212⅓	220½	228⅔	236⅚	245	**30**
30	253⅙	261⅓	269½	277⅔	285⅚	294	302⅙	310⅓	318½	326⅔	**40**
40	334⅚	343	351⅙	359⅓	367½	375⅔	383⅚	392	400⅙	408⅓	**50**
50	416½	424⅔	432⅚	441	449⅙	457⅓	465½	473⅔	481⅚	490	**60**
60	498⅙	506⅓	514½	522⅔	530⅚	539	547⅙	555⅓	563½	571⅔	**70**
70	579⅚	588	596⅙	604⅓	612½	620⅔	628⅚	637	645⅙	653⅓	**80**
80	661½	669⅔	677⅚	686	694⅙	702⅓	710½	718⅔	726⅚	735	**90**
90	743⅙	751⅓	759½	767⅔	775⅚	784	792⅙	800⅓	808½	816⅔	**100**

1 X 7 / 2 X 3½ = 16

	9⅓	18⅔	28	37⅓	46⅔	56	65⅓	74⅔	84	93⅓	**10**
10	102⅔	112	121⅓	130⅔	140	149⅓	158⅔	168	177⅓	186⅔	**20**
20	196	205⅓	214⅔	224	233⅓	242⅔	252	261⅓	270⅔	280	**30**
30	289⅓	298⅔	308	317⅓	326⅔	336	345⅓	354⅔	364	373⅓	**40**
40	382⅔	392	401⅓	410⅔	420	429⅓	438⅔	448	457⅓	466⅔	**50**
50	476	485⅓	494⅔	504	513⅓	522⅔	532	541⅓	550⅔	560	**60**
60	569⅓	578⅔	588	597⅓	606⅔	616	625⅓	634⅔	644	653⅓	**70**
70	662⅔	672	681⅓	690⅔	700	709⅓	718⅔	728	737⅓	746⅔	**80**
80	756	765⅓	774⅔	784	793⅓	802⅔	812	821⅓	830⅔	840	**90**
90	849⅓	858⅔	868	877⅓	886⅔	896	905⅓	914⅔	924	933⅓	**100**

1 X 7 / 2 X 3½ = 18

	10½	21	31½	42	52½	63	73½	84	94½	105	**10**
10	115½	126	136½	147	157½	168	178½	189	199½	210	**20**
20	220½	231	241½	252	262½	273	283½	294	304½	315	**30**
30	325½	336	346½	357	367½	378	388½	399	409½	420	**40**
40	430½	441	451½	462	472½	483	493½	504	514½	525	**50**
50	535½	546	556½	567	577½	588	598½	609	619½	630	**60**
60	640½	651	661½	672	682½	693	703½	714	724½	735	**70**
70	745½	756	766½	777	787½	798	808½	819	829½	840	**80**
80	850½	861	871½	882	892½	903	913½	924	934½	945	**90**
90	955½	966	976½	987	997½	1008	1018½	1029	1039½	1050	**100**

1 X 7 / 2 X 3½ = 20

	11⅔	23⅓	35	46⅔	58⅓	70	81⅔	93⅓	105	116⅔	**10**
10	128⅓	140	151⅔	163⅓	175	186⅔	198⅓	210	221⅔	233⅓	**20**
20	245	256⅔	268⅓	280	291⅔	303⅓	315	326⅔	338⅓	350	**30**
30	361⅔	373⅓	385	396⅔	408⅓	420	431⅔	443⅓	455	466⅔	**40**
40	478⅓	490	501⅔	513⅓	525	536⅔	548⅓	560	571⅔	583⅓	**50**
50	595	606⅔	618⅓	630	641⅔	653⅓	665	676⅔	688⅓	700	**60**
60	711⅔	723⅓	735	746⅔	758⅓	770	781⅔	793⅓	805	816⅔	**70**
70	828⅓	840	851⅔	863⅓	875	886⅔	898⅓	910	921⅔	933⅓	**80**
80	945	956⅔	968⅓	980	991⅔	1003⅓	1015	1026⅔	1038⅓	1050	**90**
90	1061⅔	1073⅓	1085	1096⅔	1108⅓	1120	1131⅔	1143⅓	1155	1166⅔	**100**

For greater number of pieces than shown above, for ½, drop the fraction and annex 5; for ⅔, annex 6⅔; for ⅓, annex 3⅓; for 1-6, annex 1⅔; for 5-6, annex 8⅓; see explanations on pages 2, 3 and 4. See pages 123 to 201 for other sizes *above tables give answers for.*

1 x 8 / 2 x 4 = 8

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	5⅓	10⅔	16	21⅓	26⅔	32	37⅓	42⅔	48	53⅓	**10**
10	58⅔	64	69⅓	74⅔	80	85⅓	90⅔	96	101⅓	106⅔	**20**
20	112	117⅓	122⅔	128	133⅓	138⅔	144	149⅓	154⅔	160	**30**
30	165⅓	170⅔	176	181⅓	186⅔	192	197⅓	202⅔	208	213⅓	**40**
40	218⅔	224	229⅓	234⅔	240	245⅓	250⅔	256	261⅓	266⅔	**50**
50	272	277⅓	282⅔	288	293⅓	298⅔	304	309⅓	314⅔	320	**60**
60	325⅓	330⅔	336	341⅓	346⅔	352	357⅓	362⅔	368	373⅓	**70**
70	378⅔	384	389⅓	394⅔	400	405⅓	410⅔	416	421⅓	426⅔	**80**
80	432	437⅓	442⅔	448	453⅓	458⅔	464	469⅓	474⅔	480	**90**
90	485⅓	490⅔	496	501⅓	506⅔	512	517⅓	522⅔	528	533⅓	**100**
100	538⅔	544	549⅓	554⅔	560	565⅓	570⅔	576	581⅓	586⅔	**110**
110	592	597⅓	602⅔	608	613⅓	618⅔	624	629⅓	634⅔	640	**120**
120	645⅓	650⅔	656	661⅓	666⅔	672	677⅓	682⅔	688	693⅓	**130**
130	698⅔	704	709⅓	714⅔	720	725⅓	730⅔	736	741⅓	746⅔	**140**
140	752	757⅓	762⅔	768	773⅓	778⅔	784	789⅓	794⅔	800	**150**
150	805⅓	810⅔	816	821⅓	826⅔	832	837⅓	842⅔	848	853⅓	**160**
160	858⅔	864	869⅓	874⅔	880	885⅓	890⅔	896	901⅓	906⅔	**170**
170	912	917⅓	922⅔	928	933⅓	938⅔	944	949⅓	954⅔	960	**180**
180	965⅓	970⅔	976	981⅓	986⅔	992	997⅓	1002⅔	1008	1013⅓	**190**
190	1018⅔	1024	1029⅓	1034⅔	1040	1045⅓	1050⅔	1056	1061⅓	1066⅔	**200**
200	1072	1077⅓	1082⅔	1088	1093⅓	1098⅔	1104	1109⅓	1114⅔	1120	**210**
210	1125⅓	1130⅔	1136	1141⅓	1146⅔	1152	1157⅓	1162⅔	1168	1173⅓	**220**
220	1178⅔	1184	1189⅓	1194⅔	1200	1205⅓	1210⅔	1216	1221⅓	1226⅔	**230**
230	1232	1237⅓	1242⅔	1248	1253⅓	1258⅔	1264	1269⅓	1274⅔	1280	**240**
240	1285⅓	1290⅔	1296	1301⅓	1306⅔	1312	1317⅓	1322⅔	1328	1333⅓	**250**
250	1338⅔	1344	1349⅓	1354⅔	1360	1365⅓	1370⅔	1376	1381⅓	1386⅔	**260**
260	1392	1397⅓	1402⅔	1408	1413⅓	1418⅔	1424	1429⅓	1434⅔	1440	**270**
270	1445⅓	1450⅔	1456	1461⅓	1466⅔	1472	1477⅓	1482⅔	1488	1493⅓	**280**
280	1498⅔	1504	1509⅓	1514⅔	1520	1525⅓	1530⅔	1536	1541⅓	1546⅔	**290**
290	1552	1557⅓	1562⅔	1568	1573⅓	1578⅔	1584	1589⅓	1594⅔	1600	**300**
300	1605⅓	1610⅔	1616	1621⅓	1626⅔	1632	1637⅓	1642⅔	1648	1653⅓	**310**
310	1658⅔	1664	1669⅓	1674⅔	1680	1685⅓	1690⅔	1696	1701⅓	1706⅔	**320**
320	1712	1717⅓	1722⅔	1728	1733⅓	1738⅔	1744	1749⅓	1754⅔	1760	**330**
330	1765⅓	1770⅔	1776	1781⅓	1786⅔	1792	1797⅓	1802⅔	1808	1813⅓	**340**
340	1818⅔	1824	1829⅓	1834⅔	1840	1845⅓	1850⅔	1856	1861⅓	1866⅔	**350**
350	1872	1877⅓	1882⅔	1888	1893⅓	1898⅔	1904	1909⅓	1914⅔	1920	**360**
360	1925⅓	1930⅔	1936	1941⅓	1946⅔	1952	1957⅓	1962⅔	1968	1973⅓	**370**
370	1978⅔	1984	1989⅓	1994⅔	2000	2005⅓	2010⅔	2016	2021⅓	2026⅔	**380**
380	2032	2037⅓	2042⅔	2048	2053⅓	2058⅔	2064	2069⅓	2074⅔	2080	**390**
390	2085⅓	2090⅔	2096	2101⅓	2106⅔	2112	2117⅓	2122⅔	2128	2133⅓	**400**
400	2138⅔	2144	2149⅓	2154⅔	2160	2165⅓	2170⅔	2176	2181⅓	2186⅔	**410**
410	2192	2197⅓	2202⅔	2208	2213⅓	2218⅔	2224	2229⅓	2234⅔	2240	**420**
420	2245⅓	2250⅔	2256	2261⅓	2266⅔	2272	2277⅓	2282⅔	2288	2293⅓	**430**
430	2298⅔	2304	2309⅓	2314⅔	2320	2325⅓	2330⅔	2336	2341⅓	2346⅔	**440**
440	2352	2357⅓	2362⅔	2368	2373⅓	2378⅔	2384	2389⅓	2394⅔	2400	**450**
450	2405⅓	2410⅔	2416	2421⅓	2426⅔	2432	2437⅓	2442⅔	2448	2453⅓	**460**
460	2458⅔	2464	2469⅓	2474⅔	2480	2485⅓	2490⅔	2496	2501⅓	2506⅔	**470**
470	2512	2517⅓	2522⅔	2528	2533⅓	2538⅔	2544	2549⅓	2554⅔	2560	**480**
480	2565⅓	2570⅔	2576	2581⅓	2586⅔	2592	2597⅓	2602⅔	2608	2613⅓	**490**
490	2618⅔	2624	2629⅓	2634⅔	2640	2645⅓	2650⅔	2656	2661⅓	2666⅔	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

$\begin{matrix}1\times8\\2\times4\end{matrix} = 10$

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	6⅔	13⅓	20	26⅔	33⅓	40	46⅔	53⅓	60	66⅔	**10**
10	73⅓	80	86⅔	93⅓	100	106⅔	113⅓	120	126⅔	133⅓	**20**
20	140	146⅔	153⅓	160	166⅔	173⅓	180	186⅔	193⅓	200	**30**
30	206⅔	213⅓	220	226⅔	233⅓	240	246⅔	253⅓	260	266⅔	**40**
40	273⅓	280	286⅔	293⅓	300	306⅔	313⅓	320	326⅔	333⅓	**50**
50	340	346⅔	353⅓	360	366⅔	373⅓	380	386⅔	393⅓	400	**60**
60	406⅔	413⅓	420	426⅔	433⅓	440	446⅔	453⅓	460	466⅔	**70**
70	473⅓	480	486⅔	493⅓	500	506⅔	513⅓	520	526⅔	533⅓	**80**
80	540	546⅔	553⅓	560	566⅔	573⅓	580	586⅔	593⅓	600	**90**
90	606⅔	613⅓	620	626⅔	633⅓	640	646⅔	653⅓	660	666⅔	**100**
100	673⅓	680	686⅔	693⅓	700	706⅔	713⅓	720	726⅔	733⅓	**110**
110	740	746⅔	753⅓	760	766⅔	773⅓	780	786⅔	793⅓	800	**120**
120	806⅔	813⅓	820	826⅔	833⅓	840	846⅔	853⅓	860	866⅔	**130**
130	873⅓	880	886⅔	893⅓	900	906⅔	913⅓	920	926⅔	933⅓	**140**
140	940	946⅔	953⅓	960	966⅔	973⅓	980	986⅔	993⅓	1000	**150**
150	1006⅔	1013⅓	1020	1026⅔	1033⅓	1040	1046⅔	1053⅓	1060	1066⅔	**160**
160	1073⅓	1080	1086⅔	1093⅓	1100	1106⅔	1113⅓	1120	1126⅔	1133⅓	**170**
170	1140	1146⅔	1153⅓	1160	1166⅔	1173⅓	1180	1186⅔	1193⅓	1200	**180**
180	1206⅔	1213⅓	1220	1226⅔	1233⅓	1240	1246⅔	1253⅓	1260	1266⅔	**190**
190	1273⅓	1280	1286⅔	1293⅓	1300	1306⅔	1313⅓	1320	1326⅔	1333⅓	**200**
200	1340	1346⅔	1353⅓	1360	1366⅔	1373⅓	1380	1386⅔	1393⅓	1400	**210**
210	1406⅔	1413⅓	1420	1426⅔	1433⅓	1440	1446⅔	1453⅓	1460	1466⅔	**220**
220	1473⅓	1480	1486⅔	1493⅓	1500	1506⅔	1513⅓	1520	1526⅔	1533⅓	**230**
230	1540	1546⅔	1553⅓	1560	1566⅔	1573⅓	1580	1586⅔	1593⅓	1600	**240**
240	1606⅔	1613⅓	1620	1626⅔	1633⅓	1640	1646⅔	1653⅓	1660	1666⅔	**250**
250	1673⅓	1680	1686⅔	1693⅓	1700	1706⅔	1713⅓	1720	1726⅔	1733⅓	**260**
260	1740	1746⅔	1753⅓	1760	1766⅔	1773⅓	1780	1786⅔	1793⅓	1800	**270**
270	1806⅔	1813⅓	1820	1826⅔	1833⅓	1840	1846⅔	1853⅓	1860	1866⅔	**280**
280	1873⅓	1880	1886⅔	1893⅓	1900	1906⅔	1913⅓	1920	1926⅔	1933⅓	**290**
290	1940	1946⅔	1953⅓	1960	1966⅔	1973⅓	1980	1986⅔	1993⅓	2000	**300**
300	2006⅔	2013⅓	2020	2026⅔	2033⅓	2040	2046⅔	2053⅓	2060	2066⅔	**310**
310	2073⅓	2080	2086⅔	2093⅓	2100	2106⅔	2113⅓	2120	2126⅔	2133⅓	**320**
320	2140	2146⅔	2153⅓	2160	2166⅔	2173⅓	2180	2186⅔	2193⅓	2200	**330**
330	2206⅔	2213⅓	2220	2226⅔	2233⅓	2240	2246⅔	2253⅓	2260	2266⅔	**340**
340	2273⅓	2280	2286⅔	2293⅓	2300	2306⅔	2313⅓	2320	2326⅔	2333⅓	**350**
350	2340	2346⅔	2353⅓	2360	2366⅔	2373⅓	2380	2386⅔	2393⅓	2400	**360**
360	2406⅔	2413⅓	2420	2426⅔	2433⅓	2440	2446⅔	2453⅓	2460	2466⅔	**370**
370	2473⅓	2480	2486⅔	2493⅓	2500	2506⅔	2513⅓	2520	2526⅔	2533⅓	**380**
380	2540	2546⅔	2553⅓	2560	2566⅔	2573⅓	2580	2586⅔	2593⅓	2600	**390**
390	2606⅔	2613⅓	2620	2626⅔	2633⅓	2640	2646⅔	2653⅓	2660	2666⅔	**400**
400	2673⅓	2680	2686⅔	2693⅓	2700	2706⅔	2713⅓	2720	2726⅔	2733⅓	**410**
410	2740	2746⅔	2753⅓	2760	2766⅔	2773⅓	2780	2786⅔	2793⅓	2800	**420**
420	2806⅔	2813⅓	2820	2826⅔	2833⅓	2840	2846⅔	2853⅓	2860	2866⅔	**430**
430	2873⅓	2880	2886⅔	2893⅓	2900	2906⅔	2913⅓	2920	2926⅔	2933⅓	**440**
440	2940	2946⅔	2953⅓	2960	2966⅔	2973⅓	2980	2986⅔	2993⅓	3000	**450**
450	3006⅔	3013⅓	3020	3026⅔	3033⅓	3040	3046⅔	3053⅓	3060	3066⅔	**460**
460	3073⅓	3080	3086⅔	3093⅓	3100	3106⅔	3113⅓	3120	3126⅔	3133⅓	**470**
470	3140	3146⅔	3153⅓	3160	3166⅔	3173⅓	3180	3186⅔	3193⅓	3200	**480**
480	3206⅔	3213⅓	3220	3226⅔	3233⅓	3240	3246⅔	3253⅓	3260	3266⅔	**490**
490	*3273⅓*	*3280*	*3286⅔*	3293⅓	3300	3306⅔	3313⅓	3320	3326⅔	3333⅓	**500**

For greater number of pieces than shown above, **see explanations** *on pages 2, 3 and 4.*

$\frac{1 \times 8}{2 \times 4} = 12$

	1 Piece Feet	2 Pieces Feet.	3 Pieces Feet.	4 Pieces Feet.	5 Pieces Feet.	6 Pieces Feet.	7 Pieces Feet.	8 Pieces Feet.	9 Pieces Feet.	10 Pieces Feet.	
	8	16	24	32	40	48	56	64	72	80	**10**
10	88	96	104	112	120	128	136	144	152	160	**20**
20	168	176	184	192	200	208	216	224	232	240	**30**
30	248	256	264	272	280	288	296	304	312	320	**40**
40	328	336	344	352	360	368	376	384	392	400	**50**
50	408	416	424	432	440	448	456	464	472	480	**60**
60	488	496	504	512	520	528	536	544	552	560	**70**
70	568	576	584	592	600	608	616	624	632	640	**80**
80	648	656	664	672	680	688	696	704	712	720	**90**
90	728	736	744	752	760	768	776	784	792	800	**100**
100	808	816	824	832	840	848	856	864	872	880	**110**
110	888	896	904	912	920	928	936	944	952	960	**120**
120	968	976	984	992	1000	1008	1016	1024	1032	1040	**130**
130	1048	1056	1064	1072	1080	1088	1096	1104	1112	1120	**140**
140	1128	1136	1144	1152	1160	1168	1176	1184	1192	1200	**150**
150	1208	1216	1224	1232	1240	1248	1256	1264	1272	1280	**160**
160	1288	1296	1304	1312	1320	1328	1336	1344	1352	1360	**170**
170	1368	1376	1384	1392	1400	1408	1416	1424	1432	1440	**180**
180	1448	1456	1464	1472	1480	1488	1496	1504	1512	1520	**190**
190	1528	1536	1544	1552	1560	1568	1576	1584	1592	1600	**200**
200	1608	1616	1624	1632	1640	1648	1656	1664	1672	1680	**210**
210	1688	1696	1704	1712	1720	1728	1736	1744	1752	1760	**220**
220	1768	1776	1784	1792	1800	1808	1816	1824	1832	1840	**230**
230	1848	1856	1864	1872	1880	1888	1896	1904	1912	1920	**240**
240	1928	1936	1944	1952	1960	1968	1976	1984	1992	2000	**250**
250	2008	2016	2024	2032	2040	2048	2056	2064	2072	2080	**260**
260	2088	2096	2104	2112	2120	2128	2136	2144	2152	2160	**270**
270	2168	2176	2184	2192	2200	2208	2216	2224	2232	2240	**280**
280	2248	2256	2264	2272	2280	2288	2296	2304	2312	2320	**290**
290	2328	2336	2344	2352	2360	2368	2376	2384	2392	2400	**300**
300	2408	2416	2424	2432	2440	2448	2456	2464	2472	2480	**310**
310	2488	2496	2504	2512	2520	2528	2536	2544	2552	2560	**320**
320	2568	2576	2584	2592	2600	2608	2616	2624	2632	2640	**330**
330	2648	2656	2664	2672	2680	2688	2696	2704	2712	2720	**340**
340	2728	2736	2744	2752	2760	2768	2776	2784	2792	2800	**350**
350	2808	2816	2824	2832	2840	2848	2856	2864	2872	2880	**360**
360	2888	2896	2904	2912	2920	2928	2936	2944	2952	2960	**370**
370	2968	2976	2984	2992	3000	3008	3016	3024	3032	3040	**380**
380	3048	3056	3064	3072	3080	3088	3096	3104	3112	3120	**390**
390	3128	3136	3144	3152	3160	3168	3176	3184	3192	3200	**400**
400	3208	3216	3224	3232	3240	3248	3256	3264	3272	3280	**410**
410	3288	3296	3304	3312	3320	3328	3336	3344	3352	3360	**420**
420	3368	3376	3384	3392	3400	3408	3416	3424	3432	3440	**430**
430	3448	3456	3464	3472	3480	3488	3496	3504	3512	3520	**440**
440	3528	3536	3544	3552	3560	3568	3576	3584	3592	3600	**450**
450	3608	3616	3624	3632	3640	3648	3656	3664	3672	3680	**460**
460	3688	3696	3704	3712	3720	3728	3736	3744	3752	3760	**470**
470	3768	3776	3784	3792	3800	3808	3816	3824	3832	3840	**480**
480	3848	3856	3864	3872	3880	3888	3896	3904	3912	3920	**490**
490	3928	3936	3944	3952	3960	3968	3976	3984	3992	4000	**500**

For greater number of pieces than shown above, see *explanations on pages* 2, 3 and 4.

1 x 8 / 2 x 4 = 14

	1 Piece Feet.	2 Pieces Feet.	3 Pieces Feet.	4 Pieces Feet.	5 Pieces Feet.	6 Pieces Feet.	7 Pieces Feet.	8 Pieces Feet.	9 Pieces Feet.	10 Pieces Feet.	
	9⅓	18⅔	28	37⅓	46⅔	56	65⅓	74⅔	84	93⅓	**10**
10	102⅔	112	121⅓	130⅔	140	149⅓	158⅔	168	177⅓	186⅔	**20**
20	196	205⅓	214⅔	224	233⅓	242⅔	252	261⅓	270⅔	280	**30**
30	289⅓	298⅔	308	317⅓	326⅔	336	345⅓	354⅔	364	373⅓	**40**
40	382⅔	392	401⅓	410⅔	420	429⅓	438⅔	448	457⅓	466⅔	**50**
50	476	485⅓	494⅔	504	513⅓	522⅔	532	541⅓	550⅔	560	**60**
60	569⅓	578⅔	588	597⅓	606⅔	616	625⅓	634⅔	644	653⅓	**70**
70	662⅔	672	681⅓	690⅔	700	709⅓	718⅔	728	737⅓	746⅔	**80**
80	756	765⅓	774⅔	784	793⅓	802⅔	812	821⅓	830⅔	840	**90**
90	849⅓	858⅔	868	877⅓	886⅔	896	905⅓	914⅔	924	933⅓	**100**
100	942⅔	952	961⅓	970⅔	980	989⅓	998⅔	1008	1017⅓	1026⅔	**110**
110	1036	1045⅓	1054⅔	1064	1073⅓	1082⅔	1092	1101⅓	1110⅔	1120	**120**
120	1129⅓	1138⅔	1148	1157⅓	1166⅔	1176	1185⅓	1194⅔	1204	1213⅓	**130**
130	1222⅔	1232	1241⅓	1250⅔	1260	1269⅓	1278⅔	1288	1297⅓	1306⅔	**140**
140	1316	1325⅓	1334⅔	1344	1353⅓	1362⅔	1372	1381⅓	1390⅔	1400	**150**
150	1409⅓	1418⅔	1428	1437⅓	1446⅔	1456	1465⅓	1474⅔	1484	1493⅓	**160**
160	1502⅔	1512	1521⅓	1530⅔	1540	1549⅓	1558⅔	1568	1577⅓	1586⅔	**170**
170	1596	1605⅓	1614⅔	1624	1633⅓	1642⅔	1652	1661⅓	1670⅔	1680	**180**
180	1689⅓	1698⅔	1708	1717⅓	1726⅔	1736	1745⅓	1754⅔	1764	1773⅓	**190**
190	1782⅔	1792	1801⅓	1810⅔	1820	1829⅓	1838⅔	1848	1857⅓	1866⅔	**200**
200	1876	1885⅓	1894⅔	1904	1913⅓	1922⅔	1932	1941⅓	1950⅔	1960	**210**
210	1969⅓	1978⅔	1988	1997⅓	2006⅔	2016	2025⅓	2034⅔	2044	2053⅓	**220**
220	2062⅔	2072	2081⅓	2090⅔	2100	2109⅓	2118⅔	2128	2137⅓	2146⅔	**230**
230	2156	2165⅓	2174⅔	2184	2193⅓	2202⅔	2212	2221⅓	2230⅔	2240	**240**
240	2249⅓	2258⅔	2268	2277⅓	2286⅔	2296	2305⅓	2314⅔	2324	2333⅓	**250**
250	2342⅔	2352	2361⅓	2370⅔	2380	2389⅓	2398⅔	2408	2417⅓	2426⅔	**260**
260	2436	2445⅓	2454⅔	2464	2473⅓	2482⅔	2492	2501⅓	2510⅔	2520	**270**
270	2529⅓	2538⅔	2548	2557⅓	2566⅔	2576	2585⅓	2594⅔	2604	2613⅓	**280**
280	2622⅔	2632	2641⅓	2650⅔	2660	2669⅓	2678⅔	2688	2697⅓	2706⅔	**290**
290	2716	2725⅓	2734⅔	2744	2753⅓	2762⅔	2772	2781⅓	2790⅔	2800	**300**
300	2809⅓	2818⅔	2828	2837⅓	2846⅔	2856	2865⅓	2874⅔	2884	2893⅓	**310**
310	2902⅔	2912	2921⅓	2930⅔	2940	2949⅓	2958⅔	2968	2977⅓	2986⅔	**320**
320	2996	3005⅓	3014⅔	3024	3033⅓	3042⅔	3052	3061⅓	3070⅔	3080	**330**
330	3089⅓	3098⅔	3108	3117⅓	3126⅔	3136	3145⅓	3154⅔	3164	3173⅓	**340**
340	3182⅔	3192	3201⅓	3210⅔	3220	3229⅓	3238⅔	3248	3257⅓	3266⅔	**350**
350	3276	3285⅓	3294⅔	3304	3313⅓	3322⅔	3332	3341⅓	3350⅔	3360	**360**
360	3369⅓	3378⅔	3388	3397⅓	3406⅔	3416	3425⅓	3434⅔	3444	3453⅓	**370**
370	3462⅔	3472	3481⅓	3490⅔	3500	3509⅓	3518⅔	3528	3537⅓	3546⅔	**380**
380	3556	3565⅓	3574⅔	3584	3593⅓	3602⅔	3612	3621⅓	3630⅔	3640	**390**
390	3649⅓	3658⅔	3668	3677⅓	3686⅔	3696	3705⅓	3714⅔	3724	3733⅓	**400**
400	3742⅔	3752	3761⅓	3770⅔	3780	3789⅓	3798⅔	3808	3817⅓	3826⅔	**410**
410	3836	3845⅓	3854⅔	3864	3873⅓	3882⅔	3892	3901⅓	3910⅔	3920	**420**
420	3929⅓	3938⅔	3948	3957⅓	3966⅔	3976	3985⅓	3994⅔	4004	4013⅓	**430**
430	4022⅔	4032	4041⅓	4050⅔	4060	4069⅓	4078⅔	4088	4097⅓	4106⅔	**440**
440	4116	4125⅓	4134⅔	4144	4153⅓	4162⅔	4172	4181⅓	4190⅔	4200	**450**
450	4209⅓	4218⅔	4228	4237⅓	4246⅔	4256	4265⅓	4274⅔	4284	4293⅓	**460**
460	4302⅔	4312	4321⅓	4330⅔	4340	4349⅓	4358⅔	4368	4377⅓	4386⅔	**470**
470	4396	4405⅓	4414⅔	4424	4433⅓	4442⅔	4452	4461⅓	4470⅔	4480	**480**
480	4489⅓	4498⅔	4508	4517⅓	4526⅔	4536	4545⅓	4554⅔	4564	4573⅓	**490**
490	4582⅔	4592	4601⅓	4610⅔	4620	4629⅓	4638⅔	4648	4657⅓	4666⅔	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

1 x 8
2 x 4 = 6

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	10⅔	21⅓	32	42⅔	53⅓	64	74⅔	85⅓	96	106⅔	**10**
10	117⅓	128	138⅔	149⅓	160	170⅔	181⅓	192	202⅔	213⅓	**20**
20	224	234⅔	245⅓	256	266⅔	277⅓	288	298⅔	309⅓	320	**30**
30	330⅔	341⅓	352	362⅔	373⅓	384	394⅔	405⅓	416	426⅔	**40**
40	437⅓	448	458⅔	469⅓	480	490⅔	501⅓	512	522⅔	533⅓	**50**
50	544	554⅔	565⅓	576	586⅔	597⅓	608	618⅔	629⅓	640	**60**
60	650⅔	661⅓	672	682⅔	693⅓	704	714⅔	725⅓	736	746⅔	**70**
70	757⅓	768	778⅔	789⅓	800	810⅔	821⅓	832	842⅔	853⅓	**80**
80	864	874⅔	885⅓	896	906⅔	917⅓	928	938⅔	949⅓	960	**90**
90	970⅔	981⅓	992	1002⅔	1013⅓	1024	1034⅔	1045⅓	1056	1066⅔	**100**
100	1077⅓	1088	1098⅔	1109⅓	1120	1130⅔	1141⅓	1152	1162⅔	1173⅓	**110**
110	1184	1194⅔	1205⅓	1216	1226⅔	1237⅓	1248	1258⅔	1269⅓	1280	**120**
120	1290⅔	1301⅓	1312	1322⅔	1333⅓	1344	1354⅔	1365⅓	1376	1386⅔	**130**
130	1397⅓	1408	1418⅔	1429⅓	1440	1450⅔	1461⅓	1472	1482⅔	1493⅓	**140**
140	1504	1514⅔	1525⅓	1536	1546⅔	1557⅓	1568	1578⅔	1589⅓	1600	**150**
150	1610⅔	1621⅓	1632	1642⅔	1653⅓	1664	1674⅔	1685⅓	1696	1706⅔	**160**
160	1717⅓	1728	1738⅔	1749⅓	1760	1770⅔	1781⅓	1792	1802⅔	1813⅓	**170**
170	1824	1834⅔	1845⅓	1856	1866⅔	1877⅓	1888	1898⅔	1909⅓	1920	**180**
180	1930⅔	1941⅓	1952	1962⅔	1973⅓	1984	1994⅔	2005⅓	2016	2026⅔	**190**
190	2037⅓	2048	2058⅔	2069⅓	2080	2090⅔	2101⅓	2112	2122⅔	2133⅓	**200**
200	2144	2154⅔	2165⅓	2176	2186⅔	2197⅓	2208	2218⅔	2229⅓	2240	**210**
210	2250⅔	2261⅓	2272	2282⅔	2293⅓	2304	2314⅔	2325⅓	2336	2346⅔	**220**
220	2357⅓	2368	2378⅔	2389⅓	2400	2410⅔	2421⅓	2432	2442⅔	2453⅓	**230**
230	2464	2474⅔	2485⅓	2496	2506⅔	2517⅓	2528	2538⅔	2549⅓	2560	**240**
240	2570⅔	2581⅓	2592	2602⅔	2613⅓	2624	2634⅔	2645⅓	2656	2666⅔	**250**
250	2677⅓	2688	2698⅔	2709⅓	2720	2730⅔	2741⅓	2752	2762⅔	2773⅓	**260**
260	2784	2794⅔	2805⅓	2816	2826⅔	2837⅓	2848	2858⅔	2869⅓	2880	**270**
270	2890⅔	2901⅓	2912	2922⅔	2933⅓	2944	2954⅔	2965⅓	2976	2986⅔	**280**
280	2997⅓	3008	3018⅔	3029⅓	3040	3050⅔	3061⅓	3072	3082⅔	3093⅓	**290**
290	3104	3114⅔	3125⅓	3136	3146⅔	3157⅓	3168	3178⅔	3189⅓	3200	**300**
300	3210⅔	3221⅓	3232	3242⅔	3253⅓	3264	3274⅔	3285⅓	3296	3306⅔	**310**
310	3317⅓	3328	3338⅔	3349⅓	3360	3370⅔	3381⅓	3392	3402⅔	3413⅓	**320**
320	3424	3434⅔	3445⅓	3456	3466⅔	3477⅓	3488	3498⅔	3509⅓	3520	**330**
330	3530⅔	3541⅓	3552	3562⅔	3573⅓	3584	3594⅔	3605⅓	3616	3626⅔	**340**
340	3637⅓	3648	3658⅔	3669⅓	3680	3690⅔	3701⅓	3712	3722⅔	3733⅓	**350**
350	3744	3754⅔	3765⅓	3776	3786⅔	3797⅓	3808	3818⅔	3829⅓	3840	**360**
360	3850⅔	3861⅓	3872	3882⅔	3893⅓	3904	3914⅔	3925⅓	3936	3946⅔	**370**
370	3957⅓	3968	3978⅔	3989⅓	4000	4010⅔	4021⅓	4032	4042⅔	4053⅓	**380**
380	4064	4074⅔	4085⅓	4096	4106⅔	4117⅓	4128	4138⅔	4149⅓	4160	**390**
390	4170⅔	4181⅓	4192	4202⅔	4213⅓	4224	4234⅔	4245⅓	4256	4266⅔	**400**
400	4277⅓	4288	4298⅔	4309⅓	4320	4330⅔	4341⅓	4352	4362⅔	4373⅓	**410**
410	4384	4394⅔	4405⅓	4416	4426⅔	4437⅓	4448	4458⅔	4469⅓	4480	**420**
420	4490⅔	4501⅓	4512	4522⅔	4533⅓	4544	4554⅔	4565⅓	4576	4586⅔	**430**
430	4597⅓	4608	4618⅔	4629⅓	4640	4650⅔	4661⅓	4672	4682⅔	4693⅓	**440**
440	4704	4714⅔	4725⅓	4736	4746⅔	4757⅓	4768	4778⅔	4789⅓	4800	**450**
450	4810⅔	4821⅓	4832	4842⅔	4853⅓	4864	4874⅔	4885⅓	4896	4906⅔	**460**
460	4917⅓	4928	4938⅔	4949⅓	4960	4970⅔	4981⅓	4992	5002⅔	5013⅓	**470**
470	5024	5034⅔	5045⅓	5056	5066⅔	5077⅓	5088	5098⅔	5109⅓	5120	**480**
480	5130⅔	5141⅓	5152	5162⅔	5173⅓	5184	5194⅔	5205⅓	5216	5226⅔	**490**
490	5237⅓	5248	5258⅔	5269⅓	5280	5290⅔	5301⅓	5312	5322⅔	5333⅓	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

1 x 8 / 2 x 4 = 18

	1 Piece Feet.	2 Pieces Feet.	3 Pieces Feet.	4 Pieces Feet.	5 Pieces Feet.	6 Pieces Feet.	7 Pieces Feet.	8 Pieces Feet.	9 Pieces Feet.	10 Pieces Feet.	
	12	24	36	48	60	72	84	96	108	120	**10**
10	132	144	156	168	180	192	204	216	228	240	**20**
20	252	264	276	288	300	312	324	336	348	360	**30**
30	372	384	396	408	420	432	444	456	468	480	**40**
40	492	504	516	528	540	552	564	576	588	600	**50**
50	612	624	636	648	660	672	684	696	708	720	**60**
60	732	744	756	768	780	792	804	816	828	840	**70**
70	852	864	876	888	900	912	924	936	948	960	**80**
80	972	984	996	1008	1020	1032	1044	1056	1068	1080	**90**
90	1092	1104	1116	1128	1140	1152	1164	1176	1188	1200	**100**
100	1212	1224	1236	1248	1260	1272	1284	1296	1308	1320	**110**
110	1332	1344	1356	1368	1380	1392	1404	1416	1428	1440	**120**
120	1452	1464	1476	1488	1500	1512	1524	1536	1548	1560	**130**
130	1572	1584	1596	1608	1620	1632	1644	1656	1668	1680	**140**
140	1692	1704	1716	1728	1740	1752	1764	1776	1788	1800	**150**
150	1812	1824	1836	1848	1860	1872	1884	1896	1908	1920	**160**
160	1932	1944	1956	1968	1980	1992	2004	2016	2028	2040	**170**
170	2052	2064	2076	2088	2100	2112	2124	2136	2148	2160	**180**
180	2172	2184	2196	2208	2220	2232	2244	2256	2268	2280	**190**
190	2292	2304	2316	2328	2340	2352	2364	2376	2388	2400	**200**
200	2412	2424	2436	2448	2460	2472	2484	2496	2508	2520	**210**
210	2532	2544	2556	2568	2580	2592	2604	2616	2628	2640	**220**
220	2652	2664	2676	2688	2700	2712	2724	2736	2748	2760	**230**
230	2772	2784	2796	2808	2820	2832	2844	2856	2868	2880	**240**
240	2892	2904	2916	2928	2940	2952	2964	2976	2988	3000	**250**
250	3012	3024	3036	3048	3060	3072	3084	3096	3108	3120	**260**
260	3132	3144	3156	3168	3180	3192	3204	3216	3228	3240	**270**
270	3252	3264	3276	3288	3300	3312	3324	3336	3348	3360	**280**
280	3372	3384	3396	3408	3420	3432	3444	3456	3468	3480	**290**
290	3492	3504	3516	3528	3540	3552	3564	3576	3588	3600	**300**
300	3612	3624	3636	3648	3660	3672	3684	3696	3708	3720	**310**
310	3732	3744	3756	3768	3780	3792	3804	3816	3828	3840	**320**
320	3852	3864	3876	3888	3900	3912	3924	3936	3948	3960	**330**
330	3972	3984	3996	4008	4020	4032	4044	4056	4068	4080	**340**
340	4092	4104	4116	4128	4140	4152	4164	4176	4188	4200	**350**
350	4212	4224	4236	4248	4260	4272	4284	4296	4308	4320	**360**
360	4332	4344	4356	4368	4380	4392	4404	4416	4428	4440	**370**
370	4452	4464	4476	4488	4500	4512	4524	4536	4548	4560	**380**
380	4572	4584	4596	4608	4620	4632	4644	4656	4668	4680	**390**
390	4692	4704	4716	4728	4740	4752	4764	4776	4788	4800	**400**
400	4812	4824	4836	4848	4860	4872	4884	4896	4908	4920	**410**
410	4932	4944	4956	4968	4980	4992	5004	5016	5028	5040	**420**
420	5052	5064	5076	5088	5100	5112	5124	5136	5148	5160	**430**
430	5172	5184	5196	5208	5220	5232	5244	5256	5268	5280	**440**
440	5292	5304	5316	5328	5340	5352	5364	5376	5388	5400	**450**
450	5412	5424	5436	5448	5460	5472	5484	5496	5508	5520	**460**
460	5532	5544	5556	5568	5580	5592	5604	5616	5628	5640	**470**
470	5652	5664	5676	5688	5700	5712	5724	5736	5748	5760	**480**
480	5772	5784	5796	5808	5820	5832	5844	5856	5868	5880	**490**
490	5892	5904	5916	5928	5940	5952	5964	5976	5988	6000	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

$\begin{smallmatrix}1 \times 8\\2 \times 4\end{smallmatrix}$ = 20

	1 Piece Feet.	2 Pieces Feet.	3 Pieces Feet.	4 Pieces Feet.	5 Pieces Feet.	6 Pieces Feet.	7 Pieces Feet.	8 Pieces Feet.	9 Pieces Feet.	10 Pieces Feet.	
	13⅓	26⅔	40	53⅓	66⅔	80	93⅓	106⅔	120	133⅓	**10**
10	146⅔	160	173⅓	186⅔	200	213⅓	226⅔	240	253⅓	266⅔	**20**
20	280	293⅓	306⅔	320	333⅓	346⅔	360	373⅓	386⅔	400	**30**
30	413⅓	426⅔	440	453⅓	466⅔	480	493⅓	506⅔	520	533⅓	**40**
40	546⅔	560	573⅓	586⅔	600	613⅓	626⅔	640	653⅓	666⅔	**50**
50	680	693⅓	706⅔	720	733⅓	746⅔	760	773⅓	786⅔	800	**60**
60	813⅓	826⅔	840	853⅓	866⅔	880	893⅓	906⅔	920	933⅓	**70**
70	946⅔	960	973⅓	986⅔	1000	1013⅓	1026⅔	1040	1053⅓	1066⅔	**80**
80	1080	1093⅓	1106⅔	1120	1133⅓	1146⅔	1160	1173⅓	1186⅔	1200	**90**
90	1213⅓	1226⅔	1240	1253⅓	1266⅔	1280	1293⅓	1306⅔	1320	1333⅓	**100**
100	1346⅔	1360	1373⅓	1386⅔	1400	1413⅓	1426⅔	1440	1453⅓	1466⅔	**110**
110	1480	1493⅓	1506⅔	1520	1533⅓	1546⅔	1560	1573⅓	1586⅔	1600	**120**
120	1613⅓	1626⅔	1640	1653⅓	1666⅔	1680	1693⅓	1706⅔	1720	1733⅓	**130**
130	1746⅔	1760	1773⅓	1786⅔	1800	1813⅓	1826⅔	1840	1853⅓	1866⅔	**140**
140	1880	1893⅓	1906⅔	1920	1933⅓	1946⅔	1960	1973⅓	1986⅔	2000	**150**
150	2013⅓	2026⅔	2040	2053⅓	2066⅔	2080	2093⅓	2106⅔	2120	2133⅓	**160**
160	2146⅔	2160	2173⅓	2186⅔	2200	2213⅓	2226⅔	2240	2253⅓	2266⅔	**170**
170	2280	2293⅓	2306⅔	2320	2333⅓	2346⅔	2360	2373⅓	2386⅔	2400	**180**
180	2413⅓	2426⅔	2440	2453⅓	2466⅔	2480	2493⅓	2506⅔	2520	2533⅓	**190**
190	2546⅔	2560	2573⅓	2586⅔	2600	2613⅓	2626⅔	2640	2653⅓	2666⅔	**200**
200	2680	2693⅓	2706⅔	2720	2733⅓	2746⅔	2760	2773⅓	2786⅔	2800	**210**
210	2813⅓	2826⅔	2840	2853⅓	2866⅔	2880	2893⅓	2906⅔	2920	2933⅓	**220**
220	2946⅔	2960	2973⅓	2986⅔	3000	3013⅓	3026⅔	3040	3053⅓	3066⅔	**230**
230	3080	3093⅓	3106⅔	3120	3133⅓	3146⅔	3160	3173⅓	3186⅔	3200	**240**
240	3213⅓	3226⅔	3240	3253⅓	3266⅔	3280	3293⅓	3306⅔	3320	3333⅓	**250**
250	3346⅔	3360	3373⅓	3386⅔	3400	3413⅓	3426⅔	3440	3453⅓	3466⅔	**260**
260	3480	3493⅓	3506⅔	3520	3533⅓	3546⅔	3560	3573⅓	3586⅔	3600	**270**
270	3613⅓	3626⅔	3640	3653⅓	3666⅔	3680	3693⅓	3706⅔	3720	3733⅓	**280**
280	3746⅔	3760	3773⅓	3786⅔	3800	3813⅓	3826⅔	3840	3853⅓	3866⅔	**290**
290	3880	3893⅓	3906⅔	3920	3933⅓	3946⅔	3960	3973⅓	3986⅔	4000	**300**
300	4013⅓	4026⅔	4040	4053⅓	4066⅔	4080	4093⅓	4106⅔	4120	4133⅓	**310**
310	4146⅔	4160	4173⅓	4186⅔	4200	4213⅓	4226⅔	4240	4253⅓	4266⅔	**320**
320	4280	4293⅓	4306⅔	4320	4333⅓	4346⅔	4360	4373⅓	4386⅔	4400	**330**
330	4413⅓	4426⅔	4440	4453⅓	4466⅔	4480	4493⅓	4506⅔	4520	4533⅓	**340**
340	4546⅔	4560	4573⅓	4586⅔	4600	4613⅓	4626⅔	4640	4653⅓	4666⅔	**350**
350	4680	4693⅓	4706⅔	4720	4733⅓	4746⅔	4760	4773⅓	4786⅔	4800	**360**
360	4813⅓	4826⅔	4840	4853⅓	4866⅔	4880	4893⅓	4906⅔	4920	4933⅓	**370**
370	4946⅔	4960	4973⅓	4986⅔	5000	5013⅓	5026⅔	5040	5053⅓	5066⅔	**380**
380	5080	5093⅓	5106⅔	5120	5133⅓	5146⅔	5160	5173⅓	5186⅔	5200	**390**
390	5213⅓	5226⅔	5240	5253⅓	5266⅔	5280	5293⅓	5306⅔	5320	5333⅓	**400**
400	5346⅔	5360	5373⅓	5386⅔	5400	5413⅓	5426⅔	5440	5453⅓	5466⅔	**410**
410	5480	5493⅓	5506⅔	5520	5533⅓	5546⅔	5560	5573⅓	5586⅔	5600	**420**
420	5613⅓	5626⅔	5640	5653⅓	5666⅔	5680	5693⅓	5706⅔	5720	5733⅓	**430**
430	5746⅔	5760	5773⅓	5786⅔	5800	5813⅓	5826⅔	5840	5853⅓	5866⅔	**440**
440	5880	5893⅓	5906⅔	5920	5933⅓	5946⅔	5960	5973⅓	5986⅔	6000	**450**
450	6013⅓	6026⅔	6040	6053⅓	6066⅔	6080	6093⅓	6106⅔	6120	6133⅓	**460**
460	6146⅔	6160	6173⅓	6186⅔	6200	6213⅓	6226⅔	6240	6253⅓	6266⅔	**470**
470	6280	6293⅓	6306⅔	6320	6333⅓	6346⅔	6360	6373⅓	6386⅔	6400	**480**
480	6413⅓	6426⅔	6440	6453⅓	6466⅔	6480	6493⅓	6506⅔	6520	6533⅓	**490**
490	6546⅔	6560	6573⅓	6586⅔	6600	6613⅓	6626⅔	6640	6653⅓	6666⅔	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

$\begin{smallmatrix}1 \times 9\\ 2 \times 4\frac{1}{2}\end{smallmatrix} = 6$

	1 Piece Feet	2 Pieces Feet	3 Pieces Feet	4 Pieces Feet	5 Pieces Feet	6 Pieces Feet	7 Pieces Feet	8 Pieces Feet	9 Pieces Feet	10 Pieces Feet	
	4½	9	13½	18	22½	27	31½	36	40½	45	**10**
10	49½	54	58½	63	67½	72	76½	81	85½	90	**20**
20	94½	99	103½	108	112½	117	121½	126	130½	135	**30**
30	139½	144	148½	153	157½	162	166½	171	175½	180	**40**
40	184½	189	193½	198	202½	207	211½	216	220½	225	**50**
50	229½	234	238½	243	247½	252	256½	261	265½	270	**60**
60	274½	279	283½	288	292½	297	301½	306	310½	315	**70**
70	319½	324	328½	333	337½	342	346½	351	355½	360	**80**
80	364½	369	373½	378	382½	387	391½	396	400½	405	**90**
90	409½	414	418½	423	427½	432	436½	441	445½	450	**100**

$\begin{smallmatrix}1 \times 9\\ 2 \times 4\frac{1}{2}\end{smallmatrix} = 8$

	6	12	18	24	30	36	42	48	54	60	**10**
10	66	72	78	84	90	96	102	108	114	120	**20**
20	126	132	138	144	150	156	162	168	174	180	**30**
30	186	192	198	204	210	216	222	228	234	240	**40**
40	246	252	258	264	270	276	282	288	294	300	**50**
50	306	312	318	324	330	336	342	348	354	360	**60**
60	366	272	378	384	390	396	402	408	414	420	**70**
70	426	432	438	444	450	456	462	468	474	480	**80**
80	486	492	498	504	510	516	522	528	534	540	**90**
90	546	552	558	564	570	576	582	588	594	600	**100**

$\begin{smallmatrix}1 \times 9\\ 2 \times 4\frac{1}{2}\end{smallmatrix} = 10$

	7½	15	22½	30	37½	45	52½	60	67½	75	**10**
10	82½	90	97½	105	112½	120	127½	135	142½	150	**20**
20	157½	165	172½	180	187½	195	202½	210	217½	225	**30**
30	232½	240	247½	255	262½	270	277½	285	292½	300	**40**
40	307½	315	322½	330	337½	345	352½	360	367½	375	**50**
50	382½	390	397½	405	412½	420	427½	435	442½	450	**60**
60	457½	465	472½	480	487½	495	502½	510	517½	525	**70**
70	532½	540	547½	555	562½	570	577½	585	592½	600	**80**
80	607½	615	622½	630	637½	645	652½	660	667½	675	**90**
90	682½	690	697½	705	712½	720	727½	735	742½	750	**100**

$\begin{smallmatrix}1 \times 9\\ 2 \times 4\frac{1}{2}\end{smallmatrix} = 12$

	9	18	27	36	45	54	63	72	81	90	**10**
10	99	108	117	126	135	144	153	162	171	180	**20**
20	189	198	207	216	225	234	243	252	261	270	**30**
30	279	288	297	306	315	324	333	342	351	360	**40**
40	369	378	387	396	405	414	423	432	441	450	**50**
50	459	468	477	486	495	504	513	522	531	540	**60**
60	549	558	567	576	585	594	603	612	621	630	**70**
70	639	648	657	666	675	684	693	702	711	720	**80**
80	729	738	747	756	765	774	783	792	801	810	**90**
90	819	828	837	846	855	864	873	882	891	900	**100**

**For greater* number of pieces than shown above, for ½, drop the fraction *and annex 5; for ⅔,* annex 6⅔; for ⅓, annex 3⅓; for 1-6 annex 1⅔; for 5-6, annex *8⅓; see explanations on pages* 2, 3 and 4. See pages 123 to 200 for other sizes *above tables give answers for.*

$\begin{matrix}1\ \mathrm{X}\ 9\\ 2\ \mathrm{X}\ 4\frac{1}{2}\end{matrix} = 14$

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	
	10½	21	31½	42	52½	63	73½	84	94½	105	**10**
10	115½	126	136½	147	157½	168	178½	189	199½	210	**20**
20	220½	231	241½	252	262½	273	283½	294	304½	315	**30**
30	325½	336	346½	357	367½	378	388½	399	409½	420	**40**
40	430½	441	451½	462	472½	483	493½	504	514½	525	**50**
50	535½	546	556½	567	577½	588	598½	609	619½	630	**60**
60	640½	651	661½	672	682½	693	703½	714	724½	735	**70**
70	745½	756	766½	777	787½	798	808½	819	829½	840	**80**
80	850½	861	871½	882	892½	903	913½	924	934½	945	**90**
90	955½	966	976½	987	997½	1008	1018½	1029	1039½	1050	**100**

$\begin{matrix}1\ \mathrm{X}\ 9\\ 2\ \mathrm{X}\ 4\frac{1}{2}\end{matrix} = 16$

	12	24	36	48	60	72	84	96	108	120	**10**
10	132	144	156	168	180	192	204	216	228	240	**20**
20	252	264	276	288	300	312	324	336	348	360	**30**
30	372	384	396	408	420	432	444	456	468	480	**40**
40	492	504	516	528	540	552	564	576	588	600	**50**
50	612	624	636	648	660	672	684	696	708	720	**60**
60	732	744	756	768	780	792	804	816	828	840	**70**
70	852	864	876	888	900	912	924	936	948	960	**80**
80	972	984	996	1008	1020	1032	1044	1056	1068	1080	**90**
90	1092	1104	1116	1128	1140	1152	1164	1176	1188	1200	**100**

$\begin{matrix}1\ \mathrm{X}\ 9\\ 2\ \mathrm{X}\ 4\frac{1}{2}\end{matrix} = 18$

	13½	27	40½	54	67½	81	94½	108	121½	135	**10**
10	148½	162	175½	189	202½	216	229½	243	256½	270	**20**
20	283½	297	310½	324	337½	351	364½	378	391½	405	**30**
30	418½	432	445½	459	472½	486	499½	513	526½	540	**40**
40	553½	567	580½	594	607½	621	634½	648	661½	675	**50**
50	688½	702	715½	729	742½	756	769½	783	796½	810	**60**
60	823½	837	850½	864	877½	891	904½	918	931½	945	**70**
70	958½	972	985½	999	1012½	1026	1039½	1053	1066½	1080	**80**
80	1093½	1107	1120½	1134	1147½	1161	1174½	1188	1201½	1215	**90**
90	1228½	1242	1255½	1269	1282½	1296	1309½	1323	1336½	1350	**100**

$\begin{matrix}1\ \mathrm{X}\ 9\\ 2\ \mathrm{X}\ 4\frac{1}{2}\end{matrix} = 20$

	15	30	45	60	75	90	105	120	135	150	**10**
10	165	180	195	210	225	240	255	270	285	300	**20**
20	315	330	345	360	375	390	405	420	435	450	**30**
30	465	480	495	510	525	540	555	570	585	600	**40**
40	615	630	645	660	675	690	705	720	735	750	**50**
50	765	780	795	810	825	840	855	870	885	900	**60**
60	915	930	945	960	975	990	1005	1020	1035	1050	**70**
70	1065	1080	1095	1110	1125	1140	1155	1170	1185	1200	**80**
80	1215	1230	1245	1260	1275	1290	1305	1320	1335	1350	**90**
90	1365	1380	1395	1410	1425	1440	1455	1470	1485	1500	**100**

For greater number of pieces than shown above, for ½, drop the fraction and annex 5; for ⅔, annex 6⅔; for ⅓, annex 3⅓; for 1-6, annex 1⅔; for 5-6, annex 8⅓; see explanations on pages 2, 3 and 4. See pages 128 to 200 for other sizes above tables give answers for.

$\frac{1 \times 10}{2 \times 5} = 4$

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	
	3⅓	6⅔	10	13⅓	16⅔	20	23⅓	26⅔	30	33⅓	**10**
10	36⅔	40	43⅓	46⅔	50	53⅓	56⅔	60	63⅓	66⅔	**20**
20	70	73⅓	76⅔	80	83⅓	86⅔	90	93⅓	96⅔	100	**30**
30	103⅓	106⅔	110	113⅓	116⅔	120	123⅓	126⅔	130	133⅓	**40**
40	136⅔	140	143⅓	146⅔	150	153⅓	156⅔	160	163⅓	166⅔	**50**
50	170	173⅓	176⅔	180	183⅓	186⅔	190	193⅓	196⅔	200	**60**
60	203⅓	206⅔	210	213⅓	216⅔	220	223⅓	226⅔	230	233⅓	**70**
70	236⅔	240	243⅓	246⅔	250	253⅓	256⅔	260	263⅓	266⅔	**80**
80	270	273⅓	276⅔	280	283⅓	286⅔	290	293⅓	296⅔	300	**90**
90	303⅓	306⅔	310	313⅓	316⅔	320	323⅓	326⅔	330	333⅓	**100**

$\frac{1 \times 10}{2 \times 5} = 6$

	5	10	15	20	25	30	35	40	45	50	**10**
10	55	60	65	70	75	80	85	90	95	100	**20**
20	105	110	115	120	125	130	135	140	145	150	**30**
30	155	160	165	170	175	180	185	190	195	200	**40**
40	205	210	215	220	225	230	235	240	245	250	**50**
50	255	260	265	270	275	280	285	290	295	300	**60**
60	305	310	315	320	325	330	335	340	345	350	**70**
70	355	360	365	370	375	380	385	390	395	400	**80**
80	405	410	415	420	425	430	435	440	445	450	**90**
90	455	460	465	470	475	480	485	490	495	500	**100**

$\frac{1 \times 10}{2 \times 5} = 8$

	6⅔	13⅓	20	26⅔	33⅓	40	46⅔	53⅓	60	66⅔	**10**
10	73⅓	80	86⅔	93⅓	100	106⅔	113⅓	120	126⅔	133⅓	**20**
20	140	146⅔	153⅓	160	166⅔	173⅓	180	186⅔	193⅓	200	**30**
30	206⅔	213⅓	220	226⅔	233⅓	240	246⅔	253⅓	260	266⅔	**40**
40	273⅓	280	286⅔	293⅓	300	306⅔	313⅓	320	326⅔	333⅓	**50**
50	340	346⅔	353⅓	360	366⅔	373⅓	380	386⅔	393⅓	400	**60**
60	406⅔	413⅓	420	426⅔	433⅓	440	446⅔	453⅓	460	466⅔	**70**
70	473⅓	480	486⅔	493⅓	500	506⅔	513⅓	520	526⅔	533⅓	**80**
80	540	546⅔	553⅓	560	566⅔	573⅓	580	586⅔	593⅓	600	**90**
90	606⅔	613⅓	620	626⅔	633⅓	640	646⅔	653⅓	660	666⅔	**100**

$\frac{1 \times 10}{2 \times 5} = 10$

	8⅓	16⅔	25	33⅓	41⅔	50	58⅓	66⅔	75	83⅓	**10**
10	91⅔	100	108⅓	116⅔	125	133⅓	141⅔	150	158⅓	166⅔	**20**
20	175	183⅓	191⅔	200	208⅓	216⅔	225	233⅓	241⅔	250	**30**
30	258⅓	266⅔	275	283⅓	291⅔	300	308⅓	316⅔	325	333⅓	**40**
40	341⅔	350	358⅓	366⅔	375	383⅓	391⅔	400	408⅓	416⅔	**50**
50	425	433⅓	441⅔	450	458⅓	466⅔	475	483⅓	491⅔	500	**60**
60	508⅓	516⅔	525	533⅓	541⅔	550	558⅓	566⅔	575	583⅓	**70**
70	591⅔	600	608⅓	616⅔	625	633⅓	641⅔	650	658⅓	666⅔	**80**
80	675	683⅓	691⅔	700	708⅓	716⅔	725	733⅓	741⅔	750	**90**
90	758⅓	766⅔	775	783⅓	791⅔	800	808⅓	816⅔	825	833⅓	**100**

For greater number of pieces than shown above, for ½, drop the fraction *and annex 5; for ⅔,* annex 6⅔; for ⅓, annex 3⅓; for 1-6, annex 1⅔; for 5-6, annex *8⅓; see explanations on pages* 2, 3 and 4. See pages 123 to 200 for other sizes *above tables give answers for.*

$\begin{matrix}1 \times 10\\ 2 \times 5\end{matrix} = 12$

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	10	20	30	40	50	60	70	80	90	100	**10**
10	110	120	130	140	150	160	170	180	190	200	**20**
20	210	220	230	240	250	260	270	280	290	300	**30**
30	310	320	330	340	350	360	370	380	390	400	**40**
40	410	420	430	440	450	460	470	480	490	500	**50**
50	510	520	530	540	550	560	570	580	590	600	**60**
60	610	620	630	640	650	660	670	680	690	700	**70**
70	710	720	730	740	750	760	770	780	790	800	**80**
80	810	820	830	840	850	860	870	880	890	900	**90**
90	910	920	930	940	950	960	970	980	990	1000	**100**
100	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	**110**
110	1110	1120	1130	1140	1150	1160	1170	1180	1190	1200	**120**
120	1210	1220	1230	1240	1250	1260	1270	1280	1290	1300	**130**
130	1310	1320	1330	1340	1350	1360	1370	1380	1390	1400	**140**
140	1410	1420	1430	1440	1450	1460	1470	1480	1490	1500	**150**
150	1510	1520	1530	1540	1550	1560	1570	1580	1590	1600	**160**
160	1610	1620	1630	1640	1650	1660	1670	1680	1690	1700	**170**
170	1710	1720	1730	1740	1750	1760	1770	1780	1790	1800	**180**
180	1810	1820	1830	1840	1850	1860	1870	1880	1890	1900	**190**
190	1910	1920	1930	1940	1950	1960	1970	1980	1990	2000	**200**
200	2010	2020	2030	2040	2050	2060	2070	2080	2090	2100	**210**
210	2110	2120	2130	2140	2150	2160	2170	2180	2190	2200	**220**
220	2210	2220	2230	2240	2250	2260	2270	2280	2290	2300	**230**
230	2310	2320	2330	2340	2350	2360	2370	2380	2390	2400	**240**
240	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500	**250**
250	2510	2520	2530	2540	2550	2560	2570	2580	2590	2600	**260**
260	2610	2620	2630	2640	2650	2660	2670	2680	2690	2700	**270**
270	2710	2720	2730	2740	2750	2760	2770	2780	2790	2800	**280**
280	2810	2820	2830	2840	2850	2860	2870	2880	2890	2900	**290**
290	2910	2920	2930	2940	2950	2960	2970	2980	2990	3000	**300**
300	3010	3020	3030	3040	3050	3060	3070	3080	3090	3100	**310**
310	3110	3120	3130	3140	3150	3160	3170	3180	3190	3200	**320**
320	3210	3220	3230	3240	3250	3260	3270	3280	3290	3300	**330**
330	3310	3320	3330	3340	3350	3360	3370	3380	3390	3400	**340**
340	3410	3420	3430	3440	3450	3460	3470	3480	3490	3500	**350**
350	3510	3520	3530	3540	3550	3560	3570	3580	3590	3600	**360**
360	3610	3620	3630	3640	3650	3660	3670	3680	3690	3700	**370**
370	3710	3720	3730	3740	3750	3760	3770	3780	3790	3800	**380**
380	3810	3820	3830	3840	3850	3860	3870	3880	3890	3900	**390**
390	3910	3920	3930	3940	3950	3960	3970	3980	3990	4000	**400**
400	4010	4020	4030	4040	4050	4060	4070	4080	4090	4100	**410**
410	4110	4120	4130	4140	4150	4160	4170	4180	4190	4200	**420**
420	4210	4220	4230	4240	4250	4260	4270	4280	4290	4300	**430**
430	4310	4320	4330	4340	4350	4360	4370	4380	4390	4400	**440**
440	4410	4420	4430	4440	4450	4460	4470	4480	4490	4500	**450**
450	4510	4520	4530	4540	4550	4560	4570	4580	4590	4600	**460**
460	4610	4620	4630	4640	4650	4660	4670	4680	4690	4700	**470**
470	4710	4720	4730	4740	4750	4760	4770	4780	4790	4800	**480**
480	4810	4820	4830	4840	4850	4860	4870	4880	4890	4900	**490**
490	4910	4920	4930	4940	4950	4960	4970	4980	4990	5000	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

1 X 12
2 X 6 = 4
3 X 4

	1 Piece Feet	2 Pieces Feet	3 Pieces Feet	4 Pieces Feet	5 Pieces Feet	6 Pieces Feet	7 Pieces Feet	8 Pieces Feet	9 Pieces Feet	10 Pieces Feet	
	4	8	12	16	20	24	28	32	36	40	**10**
10	44	48	52	56	60	64	68	72	76	80	**20**
20	84	88	92	96	100	104	108	112	116	120	**30**
30	124	128	132	136	140	144	148	152	156	160	**40**
40	164	168	172	176	180	184	188	192	196	200	**50**
50	204	208	212	216	220	224	228	232	236	240	**60**
60	244	248	252	256	260	264	268	272	276	280	**70**
70	284	288	292	296	300	304	308	312	316	320	**80**
80	324	328	332	336	340	344	348	352	356	360	**90**
90	364	368	372	376	380	384	388	392	396	400	**100**

1 X 12
2 X 6 = 6
3 X 4

	6	12	18	24	30	36	42	48	54	60	**10**
10	66	72	78	84	90	96	102	108	114	120	**20**
20	126	132	138	144	150	156	162	168	174	180	**30**
30	186	192	198	204	210	216	222	228	234	240	**40**
40	246	252	258	264	270	276	282	288	294	300	**50**
50	306	312	318	324	330	336	342	348	354	360	**60**
60	366	272	378	384	390	396	402	408	414	420	**70**
70	426	432	438	444	450	456	462	468	474	480	**80**
80	486	492	498	504	510	516	522	528	534	540	**90**
90	546	552	558	564	570	576	582	588	594	600	**100**

1 X 12
2 X 6 = 8
3 X 4

	8	16	24	32	40	48	56	64	72	80	**10**
10	88	96	104	112	120	128	136	144	152	160	**20**
20	168	176	184	192	200	208	216	224	232	240	**30**
30	248	256	264	272	280	288	296	304	312	320	**40**
40	328	336	344	352	360	368	376	384	392	400	**50**
50	408	416	424	432	440	448	456	464	472	480	**60**
60	488	496	504	512	520	528	536	544	552	560	**70**
70	568	576	584	592	600	608	616	624	632	640	**80**
80	648	656	664	672	680	688	696	704	712	720	**90**
90	728	736	744	752	760	768	776	784	792	800	**100**

1 X 12
2 X 6 = 10
3 X 4

	10	20	30	40	50	60	70	80	90	100	**10**
10	110	120	130	140	150	160	170	180	190	200	**20**
20	210	220	230	240	250	260	270	280	290	300	**30**
30	310	320	330	340	350	360	370	380	390	400	**40**
40	410	420	430	440	450	460	470	480	490	500	**50**
50	510	520	530	540	550	560	570	580	590	600	**60**
60	610	620	630	640	650	660	670	680	690	700	**70**
70	710	720	730	740	750	760	770	780	790	800	**80**
80	810	820	830	840	850	860	870	880	890	900	**90**
90	910	920	930	940	950	960	970	980	990	1000	**100**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

1 x 12
2 x 6 = 12
3 x 4

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	12	24	36	48	60	72	84	96	108	120	**10**
10	132	144	156	168	180	192	204	216	228	240	**20**
20	252	264	276	288	300	312	324	336	348	360	**30**
30	372	384	396	408	420	432	444	456	468	480	**40**
40	492	504	516	528	540	552	564	576	588	600	**50**
50	612	624	636	648	660	672	684	696	708	720	**60**
60	732	744	756	768	780	792	804	816	828	840	**70**
70	852	864	876	888	900	912	924	936	948	960	**80**
80	972	984	996	1008	1020	1032	1044	1056	1068	1080	**90**
90	1092	1104	1116	1128	1140	1152	1164	1176	1188	1200	**100**
100	1212	1224	1236	1248	1260	1272	1284	1296	1308	1320	**110**
110	1332	1344	1356	1368	1380	1392	1404	1416	1428	1440	**120**
120	1452	1464	1476	1488	1500	1512	1524	1536	1548	1560	**130**
130	1572	1584	1596	1608	1620	1632	1644	1656	1668	1680	**140**
140	1692	1704	1716	1728	1740	1752	1764	1776	1788	1800	**150**
150	1812	1824	1836	1848	1860	1872	1884	1896	1908	1920	**160**
160	1932	1944	1956	1968	1980	1992	2004	2016	2028	2040	**170**
170	2052	2064	2076	2088	2100	2112	2124	2136	2148	2160	**180**
180	2172	2184	2196	2208	2220	2232	2244	2256	2268	2280	**190**
190	2292	2304	2316	2328	2340	2352	2364	2376	2388	2400	**200**
200	2412	2424	2436	2448	2460	2472	2484	2496	2508	2520	**210**
210	2532	2544	2556	2568	2580	2592	2604	2616	2628	2640	**220**
220	2652	2664	2676	2688	2700	2712	2724	2736	2748	2760	**230**
230	2772	2784	2796	2808	2820	2832	2844	2856	2868	2880	**240**
240	2892	2904	2916	2928	2940	2952	2964	2976	2988	3000	**250**
250	3012	3024	3036	3048	3060	3072	3084	3096	3108	3120	**260**
260	3132	3144	3156	3168	3180	3192	3204	3216	3228	3240	**270**
270	3252	3264	3276	3288	3300	3312	3324	3336	3348	3360	**280**
280	3372	3384	3396	3408	3420	3432	3444	3456	3468	3480	**290**
290	3492	3504	3516	3528	3540	3552	3564	3576	3588	3600	**300**
300	3612	3624	3636	3648	3660	3672	3684	3696	3708	3720	**310**
310	3732	3744	3756	3768	3780	3792	3804	3816	3828	3840	**320**
320	3852	3864	3876	3888	3900	3912	3924	3936	3948	3960	**330**
330	3972	3984	3996	4008	4020	4032	4044	4056	4068	4080	**340**
340	4092	4104	4116	4128	4140	4152	4164	4176	4188	4200	**350**
350	4212	4224	4236	4248	4260	4272	4284	4296	4308	4320	**360**
360	4332	4344	4356	4368	4380	4392	4404	4416	4428	4440	**370**
370	4452	4464	4476	4488	4500	4512	4524	4536	4548	4560	**380**
380	4572	4584	4596	4608	4620	4632	4644	4656	4668	4680	**390**
390	4692	4704	4716	4728	4740	4752	4764	4776	4788	4800	**400**
400	4812	4824	4836	4848	4860	4872	4884	4896	4908	4920	**410**
410	4932	4944	4956	4968	4980	4992	5004	5016	5028	5040	**420**
420	5052	5064	5076	5088	5100	5112	5124	5136	5148	5160	**430**
430	5172	5184	5196	5208	5220	5232	5244	5256	5268	5280	**440**
440	5292	5304	5316	5328	5340	5352	5364	5376	5388	5400	**450**
450	5412	5424	5436	5448	5460	5472	5484	5496	5508	5520	**460**
460	5532	5544	5556	5568	5580	5592	5604	5616	5628	5640	**470**
470	5652	5664	5676	5688	5700	5712	5724	5736	5748	5760	**480**
480	5772	5784	5796	5808	5820	5832	5844	5856	5868	5880	**490**
490	5892	5904	5916	5928	5940	5952	5964	5976	5988	6000	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

1 x 12
2 x 6 = 14
3 x 4

	1 Piece Feet.	**2** Pieces Feet.	**3** Pieces Feet.	**4** Pieces Feet.	**5** Pieces Feet.	**6** Pieces Feet.	**7** Pieces Feet.	**8** Pieces Feet.	**9** Pieces Feet.	**10** Pieces Feet.	
	14	28	42	56	70	84	98	112	126	140	**10**
10	154	168	182	196	210	224	238	252	266	280	**20**
20	294	308	322	336	350	364	378	392	406	420	**30**
30	434	448	462	476	490	504	518	532	546	560	**40**
40	574	588	602	616	630	644	658	672	686	700	**50**
50	714	728	742	756	770	784	798	812	826	840	**60**
60	854	868	882	896	910	924	938	952	966	980	**70**
70	994	1008	1022	1036	1050	1064	1078	1092	1106	1120	**80**
80	1134	1148	1162	1176	1190	1204	1218	1232	1246	1260	**90**
90	1274	1288	1302	1316	1330	1344	1358	1372	1386	1400	**100**
100	1414	1428	1442	1456	1470	1484	1498	1512	1526	1540	**110**
110	1554	1568	1582	1596	1610	1624	1638	1652	1666	1680	**120**
120	1694	1708	1722	1736	1750	1764	1778	1792	1806	1820	**130**
130	1834	1848	1862	1876	1890	1904	1918	1932	1946	1960	**140**
140	1974	1988	2002	2016	2030	2044	2058	2072	2086	2100	**150**
150	2114	2128	2142	2156	2170	2184	2198	2212	2226	2240	**160**
160	2254	2268	2282	2296	2310	2324	2338	2352	2366	2380	**170**
170	2394	2408	2422	2436	2450	2464	2478	2492	2506	2520	**180**
180	2534	2548	2562	2576	2590	2604	2618	2632	2646	2660	**190**
190	2674	2688	2702	2716	2730	2744	2758	2772	2786	2800	**200**
200	2814	2828	2842	2856	2870	2884	2898	2912	2926	2940	**210**
210	2954	2968	2982	2996	3010	3024	3038	3052	3066	3080	**220**
220	3094	3108	3122	3136	3150	3164	3178	3192	3206	3220	**230**
230	3234	3248	3262	3276	3290	3304	3318	3332	3346	3360	**240**
240	3374	3388	3402	3416	3430	3444	3458	3472	3486	3500	**250**
250	3514	3528	3542	3556	3570	3584	3598	3612	3626	3640	**260**
260	3654	3668	3682	3696	3710	3724	3738	3752	3766	3780	**270**
270	3794	3808	3822	3836	3850	3864	3878	3892	3906	3920	**280**
280	3934	3948	3962	3976	3990	4004	4018	4032	4046	4060	**290**
290	4074	4088	4102	4116	4130	4144	4158	4172	4186	4200	**300**
300	4214	4228	4242	4256	4270	4284	4298	4312	4326	4340	**310**
310	4354	4368	4382	4396	4410	4424	4438	4452	4466	4480	**320**
320	4494	4508	4522	4536	4550	4564	4578	4592	4606	4620	**330**
330	4634	4648	4662	4676	4690	4704	4718	4732	4746	4760	**340**
340	4774	4788	4802	4816	4830	4844	4858	4872	4886	4900	**350**
350	4914	4928	4942	4956	4970	4984	4998	5012	5026	5040	**360**
360	5054	5068	5082	5096	5110	5124	5138	5152	5166	5180	**370**
370	5194	5208	5222	5236	5250	5264	5278	5292	5306	5320	**380**
380	5334	5348	5362	5376	5390	5404	5418	5432	5446	5460	**390**
390	5474	5488	5502	5516	5530	5544	5558	5572	5586	5600	**400**
400	5614	5628	5642	5656	5670	5684	5698	5712	5726	5740	**410**
410	5754	5768	5782	5796	5810	5824	5838	5852	5866	5880	**420**
420	5894	5908	5922	5936	5950	5964	5978	5992	6006	6020	**430**
430	6034	6048	6062	6076	6090	6104	6118	6132	6146	6160	**440**
440	6174	6188	6202	6216	6230	6244	6258	6272	6286	6300	**450**
450	6314	6328	6342	6356	6370	6384	6398	6412	6426	6440	**460**
460	6454	6468	6482	6496	6510	6524	6538	6552	6566	6580	**470**
470	6594	6608	6622	6636	6650	6664	6678	6692	6706	6720	**480**
480	*6734*	*6748*	*6762*	6776	6790	6804	6818	6832	6846	6860	**490**
490	*6874*	*6888*	*6902*	6916	6930	6944	6958	6972	6986	7000	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

1 x 12
2 x 6 = 16
3 x 4

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	16	32	48	64	80	96	112	128	144	160	**10**
10	176	192	208	224	240	256	272	288	304	320	**20**
20	336	352	368	384	400	416	432	448	464	480	**30**
30	496	512	528	544	560	576	592	608	624	640	**40**
40	656	672	688	704	720	736	752	768	784	800	**50**
50	816	832	848	864	880	896	912	928	944	960	**60**
60	976	992	1008	1024	1040	1056	1072	1088	1104	1120	**70**
70	1136	1152	1168	1184	1200	1216	1232	1248	1264	1280	**80**
80	1296	1312	1328	1344	1360	1376	1392	1408	1424	1440	**90**
90	1456	1472	1488	1504	1520	1536	1552	1568	1584	1600	**100**
100	1616	1632	1648	1664	1680	1696	1712	1728	1744	1760	**110**
110	1776	1792	1808	1824	1840	1856	1872	1888	1904	1920	**120**
120	1936	1952	1968	1984	2000	2016	2032	2048	2064	2080	**130**
130	2096	2112	2128	2144	2160	2176	2192	2208	2224	2240	**140**
140	2256	2272	2288	2304	2320	2336	2352	2368	2384	2400	**150**
150	2416	2432	2448	2464	2480	2496	2512	2528	2544	2560	**160**
160	2576	2592	2608	2624	2640	2656	2672	2688	2704	2720	**170**
170	2736	2752	2768	2784	2800	2816	2832	2848	2864	2880	**180**
180	2896	2912	2928	2944	2960	2976	2992	3008	3024	3040	**190**
190	3056	3072	3088	3104	3120	3136	3152	3168	3184	3200	**200**
200	3216	3232	3248	3264	3280	3296	3312	3328	3344	3360	**210**
210	3376	3392	3408	3424	3440	3456	3472	3488	3504	3520	**220**
220	3536	3552	3568	3584	3600	3616	3632	3648	3664	3680	**230**
230	3696	3712	3728	3744	3760	3776	3792	3808	3824	3840	**240**
240	3856	3872	3888	3904	3920	3936	3952	3968	3984	4000	**250**
250	4016	4032	4048	4064	4080	4096	4112	4128	4144	4160	**260**
260	4176	4192	4208	4224	4240	4256	4272	4288	4304	4320	**270**
270	4336	4352	4368	4384	4400	4416	4432	4448	4464	4480	**280**
280	4496	4512	4528	4544	4560	4576	4592	4608	4624	4640	**290**
290	4656	4672	4688	4704	4720	4736	4752	4768	4784	4800	**300**
300	4816	4832	4848	4864	4880	4896	4912	4928	4944	4960	**310**
310	4976	4992	5008	5024	5040	5056	5072	5088	5104	5120	**320**
320	5136	5152	5168	5184	5200	5216	5232	5248	5264	5280	**330**
330	5296	5312	5328	5344	5360	5376	5392	5408	5424	5440	**340**
340	5456	5472	5488	5504	5520	5536	5552	5568	5584	5600	**350**
350	5616	5632	5648	5664	5680	5696	5712	5728	5744	5760	**360**
360	5776	5792	5808	5824	5840	5856	5872	5888	5904	5920	**370**
370	5936	5952	5968	5984	6000	6016	6032	6048	6064	6080	**380**
380	6096	6112	6128	6144	6160	6176	6192	6208	6224	6240	**390**
390	6256	6272	6288	6304	6320	6336	6352	6368	6384	6400	**400**
400	6416	6432	6448	6464	6480	6496	6512	6528	6544	6560	**410**
410	6576	6592	6608	6624	6640	6656	6672	6688	6704	6720	**420**
420	6736	6752	6768	6784	6800	6816	6832	6848	6864	6880	**430**
430	6896	6912	6928	6944	6960	6976	6992	7008	7024	7040	**440**
440	7056	7072	7088	7104	7120	7136	7152	7168	7184	7200	**450**
450	7216	7232	7248	7264	7280	7296	7312	7328	7344	7360	**460**
460	7376	7392	7408	7424	7440	7456	7472	7488	7504	7520	**470**
470	7536	7552	7568	7584	7600	7616	7632	7648	7664	7680	**480**
480	7696	7712	7728	7744	7760	7776	7792	7808	7824	7840	**490**
490	7856	7872	7888	7904	7920	7936	7952	7968	7984	8000	**500**

***For greater** number of pieces than shown above, see **explanations** on pages 2, 3 and 4.*

2 x 8
4 x 4 = **14**
1 x 16

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	18⅔	37⅓	56	74⅔	93⅓	112	130⅔	149⅓	168	186⅔	**10**
10	205⅓	224	242⅔	261⅓	280	298⅔	317⅓	336	354⅔	373⅓	**20**
20	392	410⅔	429⅓	448	466⅔	485⅓	504	522⅔	541⅓	560	**30**
30	578⅔	597⅓	616	634⅔	653⅓	672	690⅔	709⅓	728	746⅔	**40**
40	765⅓	784	802⅔	821⅓	840	858⅔	877⅓	896	914⅔	933⅓	**50**
50	952	970⅔	989⅓	1008	1026⅔	1045⅓	1064	1082⅔	1101⅓	1120	**60**
60	1138⅔	1157⅓	1176	1194⅔	1213⅓	1232	1250⅔	1269⅓	1288	1306⅔	**70**
70	1325⅓	1344	1362⅔	1381⅓	1400	1418⅔	1437⅓	1456	1474⅔	1493⅓	**80**
80	1512	1530⅔	1549⅓	1568	1586⅔	1605⅓	1624	1642⅔	1661⅓	1680	**90**
90	1698⅔	1717⅓	1736	1754⅔	1773⅓	1792	1810⅔	1829⅓	1848	1866⅔	**100**
100	1885⅓	1904	1922⅔	1941⅓	1960	1978⅔	1997⅓	2016	2034⅔	2053⅓	**110**
110	2072	2090⅔	2109⅓	2128	2146⅔	2165⅓	2184	2202⅔	2221⅓	2240	**120**
120	2258⅔	2277⅓	2296	2314⅔	2333⅓	2352	2370⅔	2389⅓	2408	2426⅔	**130**
130	2445⅓	2464	2482⅔	2501⅓	2520	2538⅔	2557⅓	2576	2594⅔	2613⅓	**140**
140	2632,	2650⅔	2669⅓	2688	2706⅔	2725⅓	2744	2762⅔	2781⅓	2800	**150**
150	2818⅔	2837⅓	2856	2874⅔	2893⅓	2912	2930⅔	2949⅓	2968	2986⅔	**160**
160	3005⅓	3024	3042⅔	3061⅓	3080	3098⅔	3117⅓	3136	3154⅔	3173⅓	**170**
170	3192	3210⅔	3229⅓	3248	3266⅔	3285⅓	3304	3322⅔	3341⅓	3360	**180**
180	3378⅔	3397⅓	3416	3434⅔	3453⅓	3472	3490⅔	3509⅓	3528	3546⅔	**190**
190	3565⅓	3584	3602⅔	3621⅓	3640	3658⅔	3677⅓	3696	3714⅔	3733⅓	**200**
200	3752	3770⅔	3789⅓	3808	3826⅔	3845⅓	3864	3882⅔	3901⅓	3920	**210**
210	3938⅔	3957⅓	3976	3994⅔	4013⅓	4032	4050⅔	4069⅓	4088	4106⅔	**220**
220	4125⅓	4144	4162⅔	4181⅓	4200	4218⅔	4237⅓	4256	4274⅔	4293⅓	**230**
230	4312	4330⅔	4349⅓	4368	4386⅔	4405⅓	4424	4442⅔	4461⅓	4480	**240**
240	4498⅔	4517⅓	4536	4554⅔	4573⅓	4592	4610⅔	4629⅓	4648	4666⅔	**250**
250	4685⅓	4704	4722⅔	4741⅓	4760	4778⅔	4797⅓	4816	4834⅔	4853⅓	**260**
260	4872	4890⅔	4909⅓	4928	4946⅔	4965⅓	4984	5002⅔	5021⅓	5040	**270**
270	5058⅔	5077⅓	5096	5114⅔	5133⅓	5152	5170⅔	5189⅓	5208	5226⅔	**280**
280	5245⅓	5264	5282⅔	5301⅓	5320	5338⅔	5357⅓	5376	5394⅔	5413⅓	**290**
290	5432	5450⅔	5469⅓	5488	5506⅔	5525⅓	5544	5562⅔	5581⅓	5600	**300**
300	5618⅔	5637⅓	5656	5674⅔	5693⅓	5712	5730⅔	5749⅓	5768	5786⅔	**310**
310	5805⅓	5824	5842⅔	5861⅓	5880	5898⅔	5917⅓	5936	5954⅔	5973⅓	**320**
320	5992	6010⅔	6029⅓	6048	6066⅔	6085⅓	6104	6122⅔	6141⅓	6160,	**330**
330	6178⅔	6197⅓	6216	6234⅔	6253⅓	6272	6290⅔	6309⅓	6328	6346⅔	**340**
340	6365⅓	6384	6402⅔	6421⅓	6440	6458⅔	6477⅓	6496	6514⅔	6533⅓	**350**
350	6552	6570⅔	6589⅓	6608	6626⅔	6645⅓	6664	6682⅔	6701⅓	6720	**360**
360	6738⅔	6757⅓	6776	6794⅔	6813⅓	6832	6850⅔	6869⅓	6888	6906⅔	**370**
370	6925⅓	6944	6962⅔	6981⅓	7000	7018⅔	7037⅓	7056	7074⅔	7093⅓	**380**
380	7112	7130⅔	7149⅓	7168	7186⅔	7205⅓	7224	7242⅔	7261⅓	7280	**390**
390	7298⅔	7317⅓	7336	7354⅔	7373⅓	7392	7410⅔	7429⅓	7448	7466⅔	**400**
400	7485⅓	7504	7522⅔	7541⅓	7560	7578⅔	7597⅓	7616	7634⅔	7653⅓	**410**
410	7672	7690⅔	7709⅓	7728	7746⅔	7765⅓	7784	7802⅔	7821⅓	7840	**420**
420	7858⅔	7877⅓	7896	7914⅔	7933⅓	7952	7970⅔	7989⅓	8008	8026⅔	**430**
430	8045⅓	8064	8082⅔	8101⅓	8120	8138⅔	8157⅓	8176	8194⅔	8213⅓	**440**
440	8232	8250⅔	8269⅓	8288	8306⅔	8325⅓	8344	8362⅔	8381⅓	8400	**450**
450	8418⅔	8437⅓	8456	8474⅔	8493⅓	8512	8530⅔	8549⅓	8568	8586⅔	**460**
460	8605⅓	8624	8642⅔	8661⅓	8680	8698⅔	8717⅓	8736	8754⅔	8773⅓	**470**
470	8792	8810⅔	8829⅓	8848	8866⅔	8885⅓	8904	8922⅔	8941⅓	8960	**480**
480	8978⅔	8997⅓	9016	9034⅔	9053⅓	9072	9090⅔	9109⅓	9128	9146⅔	**490**
490	9165⅓	9184	9202⅔	9221⅓	9240	9258⅔	9277⅓	9296	9314⅔	9333⅓	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

2 x 8
4 x 4
1 x 16 = 16

	1 Piece.	2 Pieces.	3 Pieces.	4 Pieces.	5 Pieces.	6 Pieces.	7 Pieces.	8 Pieces.	9 Pieces.	10 Pieces.	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	21⅓	42⅔	64	85⅓	106⅔	128	149⅓	170⅔	192	213⅓	**10**
10	234⅔	256	277⅓	298⅔	320	341⅓	362⅔	384	405⅓	426⅔	**20**
20	448	469⅓	490⅔	512	533⅓	554⅔	576	597⅓	618⅔	640	**30**
30	661⅓	682⅔	704	725⅓	746⅔	768	789⅓	810⅔	832	853⅓	**40**
40	874⅔	896	917⅓	938⅔	960	981⅓	1002⅔	1024	1045⅓	1066⅔	**50**
50	1088	1109⅓	1130⅔	1152	1173⅓	1194⅔	1216	1237⅓	1258⅔	1280	**60**
60	1301⅓	1322⅔	1344	1365⅓	1386⅔	1408	1429⅓	1450⅔	1472	1493⅓	**70**
70	1514⅔	1536	1557⅓	1578⅔	1600	1621⅓	1642⅔	1664	1685⅓	1706⅔	**80**
80	1728	1749⅓	1770⅔	1792	1813⅓	1834⅔	1856	1877⅓	1898⅔	1920	**90**
90	1941⅓	1962⅔	1984	2005⅓	2026⅔	2048	2069⅓	2090⅔	2112	2133⅓	**100**
100	2154⅔	2176	2197⅓	2218⅔	2240	2261⅓	2282⅔	2304	2325⅓	2346⅔	**110**
110	2368	2389⅓	2410⅔	2432	2453⅓	2474⅔	2496	2517⅓	2538⅔	2560	**120**
120	2581⅓	2602⅔	2624	2645⅓	2666⅔	2688	2709⅓	2730⅔	2752	2773⅓	**130**
130	2794⅔	2816	2837⅓	2858⅔	2880	2901⅓	2922⅔	2944	2965⅓	2986⅔	**140**
140	3008	3029⅓	3050⅔	3072	3093⅓	3114⅔	3136	3157⅓	3178⅔	3200	**150**
150	3221⅓	3242⅔	3264	3285⅓	3306⅔	3328	3349⅓	3370⅔	3392	3413⅓	**160**
160	3434⅔	3456	3477⅓	3498⅔	3520	3541⅓	3562⅔	3584	3605⅓	3626⅔	**170**
170	3648	3669⅓	3690⅔	3712	3733⅓	3754⅔	3776	3797⅓	3818⅔	3840	**180**
180	3861⅓	3882⅔	3904	3925⅓	3946⅔	3968	3989⅓	4010⅔	4032	4053⅓	**190**
190	4074⅔	4096	4117⅓	4138⅔	4160	4181⅓	4202⅔	4224	4245⅓	4266⅔	**200**
200	4288	4309⅓	4330⅔	4352	4373⅓	4394⅔	4416	4437⅓	4458⅔	4480	**210**
210	4501⅓	4522⅔	4544	4565⅓	4586⅔	4608	4629⅓	4650⅔	4672	4693⅓	**220**
220	4714⅔	4736	4757⅓	4778⅔	4800	4821⅓	4842⅔	4864	4885⅓	4906⅔	**230**
230	4928	4949⅓	4970⅔	4992	5013⅓	5034⅔	5056	5077⅓	5098⅔	5120	**240**
240	5141⅓	5162⅔	5184	5205⅓	5226⅔	5248	5269⅓	5290⅔	5312	5333⅓	**250**
250	5354⅔	5376	5397⅓	5418⅔	5440	5461⅓	5482⅔	5504	5525⅓	5546⅔	**260**
260	5568	5589⅓	5610⅔	5632	5653⅓	5674⅔	5696	5717⅓	5738⅔	5760	**270**
270	5781⅓	5802⅔	5824	5845⅓	5866⅔	5888	5909⅓	5930⅔	5952	5973⅓	**280**
280	5994⅔	6016	6037⅓	6058⅔	6080	6101⅓	6122⅔	6144	6165⅓	6186⅔	**290**
290	6208	6229⅓	6250⅔	6272	6293⅓	6314⅔	6336	6357⅓	6378⅔	6400	**300**
300	6421⅓	6442⅔	6464	6485⅓	6506⅔	6528	6549⅓	6570⅔	6592	6613⅓	**310**
310	6634⅔	6656	6677⅓	6698⅔	6720	6741⅓	6762⅔	6784	6805⅓	6826⅔	**320**
320	6848	6869⅓	6890⅔	6912	6933⅓	6954⅔	6976	6997⅓	7018⅔	7040	**330**
330	7061⅓	7082⅔	7104	7125⅓	7146⅔	7168	7189⅓	7210⅔	7232	7253⅓	**340**
340	7274⅔	7296	7317⅓	7338⅔	7360	7381⅓	7402⅔	7424	7445⅓	7466⅔	**350**
350	7488	7509⅓	7530⅔	7552	7573⅓	7594⅔	7616	7637⅓	7658⅔	7680	**360**
360	7701⅓	7722⅔	7744	7765⅓	7786⅔	7808	7829⅓	7850⅔	7872	7893⅓	**370**
370	7914⅔	7936	7957⅓	7978⅔	8000	8021⅓	8042⅔	8064	8085⅓	8106⅔	**380**
380	8128	8149⅓	8170⅔	8192	8213⅓	8234⅔	8256	8277⅓	8298⅔	8320	**390**
390	8341⅓	8362⅔	8384	8405⅓	8426⅔	8448	8469⅓	8490⅔	8512	8533⅓	**400**
400	8554⅔	8576	8597⅓	8618⅔	8640	8661⅓	8682⅔	8704	8725⅓	8746⅔	**410**
410	8768	8789⅓	8810⅔	8832	8853⅓	8874⅔	8896	8917⅓	8938⅔	8960	**420**
420	8981⅓	9002⅔	9024	9045⅓	9066⅔	9088	9109⅓	9130⅔	9152	9173⅓	**430**
430	9194⅔	9216	9237⅓	9258⅔	9280	9301⅓	9322⅔	9344	9365⅓	9386⅔	**440**
440	9408	9429⅓	9450⅔	9472	9493⅓	9514⅔	9536	9557⅓	9578⅔	9600	**450**
450	9621⅓	9642⅔	9664	9685⅓	9706⅔	9728	9749⅓	9770⅔	9792	9813⅓	**460**
460	9834⅔	9856	9877⅓	9898⅔	9920	9941⅓	9962⅔	9984	10005⅓	10026⅔	**470**
470	10048	10069⅓	10090⅔	10112	10133⅓	10154⅔	10176	10197⅓	10218⅔	10240	**480**
480	10261⅓	10282⅔	10304	10325⅓	10346⅔	10368	10389⅓	10410⅔	10432	10453⅓	**490**
490	10474⅔	10496	10517⅓	10538⅔	10560	10581⅓	10602⅔	10624	10645⅓	10666⅔	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

2 x 8
4 x 4 = 18
1 x 16

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	24	48	72	96	120	144	168	192	216	240	**10**
10	264	288	312	336	360	384	408	432	456	480	**20**
20	504	528	552	576	600	624	648	672	696	720	**30**
30	744	768	792	816	840	864	888	912	936	960	**40**
40	984	1008	1032	1056	1080	1104	1128	1152	1176	1200	**50**
50	1224	1248	1272	1296	1320	1344	1368	1392	1416	1440	**60**
60	1464	1488	1512	1536	1560	1584	1608	1632	1656	1680	**70**
70	1704	1728	1752	1776	1800	1824	1848	1872	1896	1920	**80**
80	1944	1968	1992	2016	2040	2064	2088	2112	2136	2160	**90**
90	2184	2208	2232	2256	2280	2304	2328	2352	2376	2400	**100**
100	2424	2448	2472	2496	2520	2544	2568	2592	2616	2640	**110**
110	2664	2688	2712	2736	2760	2784	2808	2832	2856	2880	**120**
120	2904	2928	2952	2976	3000	3024	3048	3072	3096	3120	**130**
130	3144	3168	3192	3216	3240	3264	3288	3312	3336	3360	**140**
140	3384	3408	3432	3456	3480	3504	3528	3552	3576	3600	**150**
150	3624	3648	3672	3696	3720	3744	3768	3792	3816	3840	**160**
160	3864	3888	3912	3936	3960	3984	4008	4032	4056	4080	**170**
170	4104	4128	4152	4176	4200	4224	4248	4272	4296	4320	**180**
180	4344	4368	4392	4416	4440	4464	4488	4512	4536	4560	**190**
190	4584	4608	4632	4656	4680	4704	4728	4752	4776	4800	**200**
200	4824	4848	4872	4896	4920	4944	4968	4992	5016	5040	**210**
210	5064	5088	5112	5136	5160	5184	5208	5232	5256	5280	**220**
220	5304	5328	5352	5376	5400	5424	5448	5472	5496	5520	**230**
230	5544	5568	5592	5616	5640	5664	5688	5712	5736	5760	**240**
240	5784	5808	5832	5856	5880	5904	5928	5952	5976	6000	**250**
250	6024	6048	6072	6096	6120	6144	6168	6192	6216	6240	**260**
260	6264	6288	6312	6336	6360	6384	6408	6432	6456	6480	**270**
270	6504	6528	6552	6576	6600	6624	6648	6672	6696	6720	**280**
280	6744	6768	6792	6816	6840	6864	6888	6912	6936	6960	**290**
290	6984	7008	7032	7056	7080	7104	7128	7152	7176	7200	**300**
300	7224	7248	7272	7296	7320	7344	7368	7392	7416	7440	**310**
310	7464	7488	7512	7536	7560	7584	7608	7632	7656	7680	**320**
320	7704	7728	7752	7776	7800	7824	7848	7872	7896	7920	**330**
330	7944	7968	7992	8016	8040	8064	8088	8112	8136	8160	**340**
340	8184	8208	8232	8256	8280	8304	8328	8352	8376	8400	**350**
350	8424	8448	8472	8496	8520	8544	8568	8592	8616	8640	**360**
360	8664	8688	8712	8736	8760	8784	8808	8832	8856	8880	**370**
370	8904	8928	8952	8976	9000	9024	9048	9072	9096	9120	**380**
380	9144	9168	9192	9216	9240	9264	9288	9312	9336	9360	**390**
390	9384	9408	9432	9456	9480	9504	9528	9552	9576	9600	**400**
400	9624	9648	9672	9696	9720	9744	9768	9792	9816	9840	**410**
410	9864	9888	9912	9936	9960	9984	10008	10032	10056	10080	**420**
420	10104	10128	10152	10176	10200	10224	10248	10272	10296	10320	**430**
430	10344	10368	10392	10416	10440	10464	10488	10512	10536	10560	**440**
440	10584	10608	10632	10656	10680	10704	10728	10752	10776	10800	**450**
450	10824	10848	10872	10896	10920	10944	10968	10992	11016	11040	**460**
460	11064	11088	11112	11136	11160	11184	11208	11232	11256	11280	**470**
470	11304	11328	11352	11376	11400	11424	11448	11472	11496	11520	**480**
480	11544	11568	11592	11616	11640	11664	11688	11712	11736	11760	**490**
490	11784	11808	11832	11856	11880	11904	11928	11952	11976	12000	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

2 x 8
4 x 4
1 x 16 = 20

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet	Feet.	Feet.	
	26⅔	53⅓	80	106⅔	133⅓	160	186⅔	213⅓	240	266⅔	**10**
10	293⅓	320	346⅔	373⅓	400	426⅔	453⅓	480	506⅔	533⅓	**20**
20	560	586⅔	613⅓	640	666⅔	693⅓	720	746⅔	773⅓	800	**30**
30	826⅔	853⅓	880	906⅔	933⅓	960	986⅔	1013⅓	1040	1066⅔	**40**
40	1093⅓	1120	1146⅔	1173⅓	1200	1226⅔	1253⅓	1280	1306⅔	1333⅓	**50**
50	1360	1386⅔	1413⅓	1440	1466⅔	1493⅓	1520	1546⅔	1573⅓	1600	**60**
60	1626⅔	1653⅓	1680	1706⅔	1733⅓	1760	1786⅔	1813⅓	1840	1866⅔	**70**
70	1893⅓	1920	1946⅔	1973⅓	2000	2026⅔	2053⅓	2080	2106⅔	2133⅓	**80**
80	2160	2186⅔	2213⅓	2240	2266⅔	2293⅓	2320	2346⅔	2373⅓	2400	**90**
90	2426⅔	2453⅓	2480	2506⅔	2533⅓	2560	2586⅔	2613⅓	2640	2666⅔	**100**
100	2693⅓	2720	2746⅔	2773⅓	2800	2826⅔	2853⅓	2880	2906⅔	2933⅓	**110**
110	2960	2986⅔	3013⅓	3040	3066⅔	3093⅓	3120	3146⅔	3173⅓	3200	**120**
120	3226⅔	3253⅓	3280	3306⅔	3333⅓	3360	3386⅔	3413⅓	3440	3466⅔	**130**
130	3493⅓	3520	3546⅔	3573⅓	3600	3626⅔	3653⅓	3680	3706⅔	3733⅓	**140**
140	3760	3786⅔	3813⅓	3840	3866⅔	3893⅓	3920	3946⅔	3973⅓	4000	**150**
150	4026⅔	4053⅓	4080	4106⅔	4133⅓	4160	4186⅔	4213⅓	4240	4266⅔	**160**
160	4293⅓	4320	4346⅔	4373⅓	4400	4426⅔	4453⅓	4480	4506⅔	4533⅓	**170**
170	4560	4586⅔	4613⅓	4640	4666⅔	4693⅓	4720	4746⅔	4773⅓	4800	**180**
180	4826⅔	4853⅓	4880	4906⅔	4933⅓	4960	4986⅔	5013⅓	5040	5066⅔	**190**
190	5093⅓	5120	5146⅔	5173⅓	5200	5226⅔	5253⅓	5280	5306⅔	5333⅓	**200**
200	5360	5386⅔	5413⅓	5440	5466⅔	5493⅓	5520	5546⅔	5573⅓	5600	**210**
210	5626⅔	5653⅓	5680	5706⅔	5733⅓	5760	5786⅔	5813⅓	5840	5866⅔	**220**
220	5893⅓	5920	5946⅔	5973⅓	6000	6026⅔	6053⅓	6080	6106⅔	6133⅓	**230**
230	6160	6186⅔	6213⅓	6240	6266⅔	6293⅓	6320	6346⅔	6373⅓	6400	**240**
240	6426⅔	6453⅓	6480	6506⅔	6533⅓	6560	6586⅔	6613⅓	6640	6666⅔	**250**
250	6693⅓	6720	6746⅔	6773⅓	6800	6826⅔	6853⅓	6880	6906⅔	6933⅓	**260**
260	6960	6986⅔	7013⅓	7040	7066⅔	7093⅓	7120	7146⅔	7173⅓	7200	**270**
270	7226⅔	7253⅓	7280	7306⅔	7333⅓	7360	7386⅔	7413⅓	7440	7466⅔	**280**
280	7493⅓	7520	7546⅔	7573⅓	7600	7626⅔	7653⅓	7680	7706⅔	7733⅓	**290**
290	7760	7786⅔	7813⅓	7840	7866⅔	7893⅓	7920	7946⅔	7973⅓	8000	**300**
300	8026⅔	8053⅓	8080	8106⅔	8133⅓	8160	8186⅔	8213⅓	8240	8266⅔	**310**
310	8293⅓	8320	8346⅔	8373⅓	8400	8426⅔	8453⅓	8480	8506⅔	8533⅓	**320**
320	8560	8586⅔	8613⅓	8640	8666⅔	8693⅓	8720	8746⅔	8773⅓	8800	**330**
330	8826⅔	8853⅓	8880	8906⅔	8933⅓	8960	8986⅔	9013⅓	9040	9066⅔	**340**
340	9093⅓	9120	9146⅔	9173⅓	9200	9226⅔	9253⅓	9280	9306⅔	9333⅓	**350**
350	9360	9386⅔	9413⅓	9440	9466⅔	9493⅓	9520	9546⅔	9573⅓	9600	**360**
360	9626⅔	9653⅓	9680	9706⅔	9733⅓	9760	9786⅔	9813⅓	9840	9866⅔	**370**
370	9893⅓	9920	9946⅔	9973⅓	10000	10026⅔	10053⅓	10080	10106⅔	10133⅓	**380**
380	10160	10186⅔	10213⅓	10240	10266⅔	10293⅓	10320	10346⅔	10373⅓	10400	**390**
390	10426⅔	10453⅓	10480	10506⅔	10533⅓	10560	10586⅔	10613⅓	10640	10666⅔	**400**
400	10693⅓	10720	10746⅔	10773⅓	10800	10826⅔	10853⅓	10880	10906⅔	10933⅓	**410**
410	10960	10986⅔	11013⅓	11040	11066⅔	11093⅓	11120	11146⅔	11173⅓	11200	**420**
420	11226⅔	11253⅓	11280	11306⅔	11333⅓	11360	11386⅔	11413⅓	11440	11466⅔	**430**
430	11493⅓	11520	11546⅔	11573⅓	11600	11626⅔	11653⅓	11680	11706⅔	11733⅓	**440**
440	11760	11786⅔	11813⅓	11840	11866⅔	11893⅓	11920	11946⅔	11973⅓	12000	**450**
450	12026⅔	12053⅓	12080	12106⅔	12133⅓	12160	12186⅔	12213⅓	12240	12266⅔	**460**
460	12293⅓	12320	12346⅔	12373⅓	12400	12426⅔	12453⅓	12480	12506⅔	12533⅓	**470**
470	12560	12586⅔	12613⅓	12640	12666⅔	12693⅓	12720	12746⅔	12773⅓	12800	**480**
480	12826⅔	12853⅓	12880	12906⅔	12933⅓	12960	12986⅔	13013⅓	13040	13066⅔	**490**
490	13093⅓	13120	13146⅔	13173⅓	13200	13226⅔	13253⅓	13280	13306⅔	13333⅓	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

2 x 8
4 x 4 = 22
1 x 16

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	29⅓	58⅔	88	117⅓	146⅔	176	205⅓	234⅔	264	293⅓	**10**
10	322⅔	352	381⅓	410⅔	440	469⅓	498⅔	528	557⅓	586⅔	**20**
20	616	645⅓	674⅔	704	733⅓	762⅔	792	821⅓	850⅔	880	**30**
30	909⅓	938⅔	968	997⅓	1026⅔	1056	1085⅓	1114⅔	1144	1173⅓	**40**
40	1202⅔	1232	1261⅓	1290⅔	1320	1349⅓	1378⅔	1408	1437⅓	1466⅔	**50**
50	1496	1525⅓	1554⅔	1584	1613⅓	1642⅔	1672	1701⅓	1730⅔	1760	**60**
60	1789⅓	1818⅔	1848	1877⅓	1906⅔	1936	1965⅓	1994⅔	2024	2053⅓	**70**
70	2082⅔	2112	2141⅓	2170⅔	2200	2229⅓	2258⅔	2288	2317⅓	2346⅔	**80**
80	2376	2405⅓	2434⅔	2464	2493⅓	2522⅔	2552	2581⅓	2610⅔	2640	**90**
90	2669⅓	2698⅔	2728	2757⅓	2786⅔	2816	2845⅓	2874⅔	2904	2933⅓	**100**
100	2962⅔	2992	3021⅓	3050⅔	3080	3109⅓	3138⅔	3168	3197⅓	3226⅔	**110**
110	3256	3285⅓	3314⅔	3344	3373⅓	3402⅔	3432	3461⅓	3490⅔	3520	**120**
120	3549⅓	3578⅔	3608	3637⅓	3666⅔	3696	3725⅓	3754⅔	3784	3813⅓	**130**
130	3842⅔	3872	3901⅓	3930⅔	3960	3989⅓	4018⅔	4048	4077⅓	4106⅔	**140**
140	4136	4165⅓	4194⅔	4224	4253⅓	4282⅔	4312	4341⅓	4370⅔	4400	**150**
150	4429⅓	4458⅔	4488	4517⅓	4546⅔	4576	4605⅓	4634⅔	4664	4693⅓	**160**
160	4722⅔	4752	4781⅓	4810⅔	4840	4869⅓	4898⅔	4928	4957⅓	4986⅔	**170**
170	5016	5045⅓	5074⅔	5104	5133⅓	5162⅔	5192	5221⅓	5250⅔	5280	**180**
180	5309⅓	5338⅔	5368	5397⅓	5426⅔	5456	5485⅓	5514⅔	5544	5573⅓	**190**
190	5602⅔	5632	5661⅓	5690⅔	5720	5749⅓	5778⅔	5808	5837⅓	5866⅔	**200**
200	5896	5925⅓	5954⅔	5984	6013⅓	6042⅔	6072	6101⅓	6130⅔	6160	**210**
210	6189⅓	6218⅔	6248	6277⅓	6306⅔	6336	6365⅓	6394⅔	6424	6453⅓	**220**
220	6482⅔	6512	6541⅓	6570⅔	6600	6629⅓	6658⅔	6688	6717⅓	6746⅔	**230**
230	6776	6805⅓	6834⅔	6864	6893⅓	6922⅔	6952	6981⅓	7010⅔	7040	**240**
240	7069⅓	7098⅔	7128	7157⅓	7186⅔	7216	7245⅓	7274⅔	7304	7333⅓	**250**
250	7362⅔	7392	7421⅓	7450⅔	7480	7509⅓	7538⅔	7568	7597⅓	7626⅔	**260**
260	7656	7685⅓	7714⅔	7744	7773⅓	7802⅔	7832	7861⅓	7890⅔	7920	**270**
270	7949⅓	7978⅔	8008	8037⅓	8066⅔	8096	8125⅓	8154⅔	8184	8213⅓	**280**
280	8242⅔	8272	8301⅓	8330⅔	8360	8389⅓	8418⅔	8448	8477⅓	8506⅔	**290**
290	8536	8565⅓	8594⅔	8624	8653⅓	8682⅔	8712	8741⅓	8770⅔	8800	**300**
300	8829⅓	8858⅔	8888	8917⅓	8946⅔	8976	9005⅓	9034⅔	9064	9093⅓	**310**
310	9122⅔	9152	9181⅓	9210⅔	9240	9269⅓	9298⅔	9328	9357⅓	9386⅔	**320**
320	9416	9445⅓	9474⅔	9504	9533⅓	9562⅔	9592	9621⅓	9650⅔	9680	**330**
330	9709⅓	9738⅔	9768	9797⅓	9826⅔	9856	9885⅓	9914⅔	9944	9973⅓	**340**
340	10002⅔	10032	10061⅓	10090⅔	10120	10149⅓	10178⅔	10208	10237⅓	10266⅔	**350**
350	10296	10325⅓	10354⅔	10384	10413⅓	10442⅔	10472	10501⅓	10530⅔	10560	**360**
360	10589⅓	10618⅔	10648	10677⅓	10706⅔	10736	10765⅓	10794⅔	10824	10853⅓	**370**
370	10882⅔	10912	10941⅓	10970⅔	11000	11029⅓	11058⅔	11088	11117⅓	11146⅔	**380**
380	11176	11205⅓	11234⅔	11264	11293⅓	11322⅔	11352	11381⅓	11410⅔	11440	**390**
390	11469⅓	11498⅔	11528	11557⅓	11586⅔	11616	11645⅓	11674⅔	11704	11733⅓	**400**
400	11762⅔	11792	11821⅓	11850⅔	11880	11909⅓	11938⅔	11968	11997⅓	12026⅔	**410**
410	12056	12085⅓	12114⅔	12144	12173⅓	12202⅔	12232	12261⅓	12290⅔	12320	**420**
420	12349⅓	12378⅔	12408	12437⅓	12466⅔	12496	12525⅓	12554⅔	12584	12613⅓	**430**
430	12642⅔	12672	12701⅓	12730⅔	12760	12789⅓	12818⅔	12848	12877⅓	12906⅔	**440**
440	12936	12965⅓	12994⅔	13024	13053⅓	13082⅔	13112	13141⅓	13170⅔	13200	**450**
450	13229⅓	13258⅔	13288	13317⅓	13346⅔	13376	13405⅓	13434⅔	13464	13493⅓	**460**
460	13522⅔	13552	13581⅓	13610⅔	13640	13669⅓	13698⅔	13728	13757⅓	13786⅔	**470**
470	13816	13845⅓	13874⅔	13904	13933⅓	13962⅔	13992	14021⅓	14050⅔	14080	**480**
480	14109⅓	14138⅔	14168	14197⅓	14226⅔	14256	14285⅓	14314⅔	14344	14373⅓	**490**
490	14402⅔	14432	14461⅓	14490⅔	14520	14549⅓	14578⅔	14608	14637⅓	14666⅔	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

2 x 8
4 x 4
1 x 16 = **24**

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	32	64	96	128	160	192	224	256	288	320	**10**
10	352	384	416	448	480	512	544	576	608	640	**20**
20	672	704	736	768	800	832	864	896	928	960	**30**
30	992	1024	1056	1088	1120	1152	1184	1216	1248	1280	**40**
40	1312	1344	1376	1408	1440	1472	1504	1536	1568	1600	**50**
50	1632	1664	1696	1728	1760	1792	1824	1856	1888	1920	**60**
60	1952	1984	2016	2048	2080	2112	2144	2176	2208	2240	**70**
70	2272	2304	2336	2368	2400	2432	2464	2496	2528	2560	**80**
80	2592	2624	2656	2688	2720	2752	2784	2816	2848	2880	**90**
90	2912	2944	2976	3008	3040	3072	3104	3136	3168	3200	**100**
100	3232	3264	3296	3328	3360	3392	3424	3456	3488	3520	**110**
110	3552	3584	3616	3648	3680	3712	3744	3776	3808	3840	**120**
120	3872	3904	3936	3968	4000	4032	4064	4096	4128	4160	**130**
130	4192	4224	4256	4288	4320	4352	4384	4416	4448	4480	**140**
140	4512	4544	4576	4608	4640	4672	4704	4736	4768	4800	**150**
150	4832	4864	4896	4928	4960	4992	5024	5056	5088	5120	**160**
160	5152	5184	5216	5248	5280	5312	5344	5376	5408	5440	**170**
170	5472	5504	5536	5568	5600	5632	5664	5696	5728	5760	**180**
180	5792	5824	5856	5888	5920	5952	5984	6016	6048	6080	**190**
190	6112	6144	6176	6208	6240	6272	6304	6336	6368	6400	**200**
200	6432	6464	6496	6528	6560	6592	6624	6656	6688	6720	**210**
210	6752	6784	6816	6848	6880	6912	6944	6976	7008	7040	**220**
220	7072	7104	7136	7168	7200	7232	7264	7296	7328	7360	**230**
230	7392	7424	7456	7488	7520	7552	7584	7616	7648	7680	**240**
240	7712	7744	7776	7808	7840	7872	7904	7936	7968	8000	**250**
250	8032	8064	8096	8128	8160	8192	8224	8256	8288	8320	**260**
260	8352	8384	8416	8448	8480	8512	8544	8576	8608	8640	**270**
270	8672	8704	8736	8768	8800	8832	8864	8896	8928	8960	**280**
280	8992	9024	9056	9088	9120	9152	9184	9216	9248	9280	**290**
290	9312	9344	9376	9408	9440	9472	9504	9536	9568	9600	**300**
300	9632	9664	9696	9728	9760	9792	9824	9856	9888	9920	**310**
310	9952	9984	10016	10048	10080	10112	10144	10176	10208	10240	**320**
320	10272	10304	10336	10368	10400	10432	10464	10496	10528	10560	**330**
330	10592	10624	10656	10688	10720	10752	10784	10816	10848	10880	**340**
340	10912	10944	10976	11008	11040	11072	11104	11136	11168	11200	**350**
350	11232	11264	11296	11328	11360	11392	11424	11456	11488	11520	**360**
360	11552	11584	11616	11648	11680	11712	11744	11776	11808	11840	**370**
370	11872	11904	11936	11968	12000	12032	12064	12096	12128	12160	**380**
380	12192	12224	12256	12288	12320	12352	12384	12416	12448	12480	**390**
390	12512	12544	12576	12608	12640	12672	12704	12736	12768	12800	**400**
400	12832	12864	12896	12928	12960	12992	13024	13056	13088	13120	**410**
410	13152	13184	13216	13248	13280	13312	13344	13376	13408	13440	**420**
420	13472	13504	13536	13568	13600	13632	13664	13696	13728	13760	**430**
430	13792	13824	13856	13888	13920	13952	13984	14016	14048	14080	**440**
440	14112	14144	14176	14208	14240	14272	14304	14336	14368	14400	**450**
450	14432	14464	14496	14528	14560	14592	14624	14656	14688	14720	**460**
460	14752	14784	14816	14848	14880	14912	14944	14976	15008	15040	**470**
470	15072	15104	15136	15168	15200	15232	15264	15296	15328	15360	**480**
480	15392	15424	15456	15488	15520	15552	15584	15616	15648	15680	**490**
490	15712	15744	15776	15808	15840	15872	15904	15936	15968	16000	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

1 X 17 / 2 X 8½ = 6

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	
	8½	17	25½	34	42½	51	59½	68	76½	85	**10**
10	93½	102	110½	119	127½	136	144½	153	161½	170	**20**
20	178½	187	195½	204	212½	221	229½	238	246½	255	**30**
30	263½	272	280½	289	297½	306	314½	323	331½	340	**40**
40	348½	357	365½	374	382½	391	399½	408	416½	425	**50**
50	433½	442	450½	459	467½	476	484½	493	501½	510	**60**
60	518½	527	535½	544	552½	561	569½	578	586½	595	**70**
70	603½	612	620½	629	637½	646	654½	663	671½	680	**80**
80	688½	697	705½	714	722½	731	739½	748	756½	765	**90**
90	773½	782	790½	799	807½	816	824½	833	841½	850	**100**

1 X 17 / 2 X 8½ = 8

	11⅓	22⅔	34	45⅓	56⅔	68	79⅓	90⅔	102	113⅓	**10**
10	124⅔	136	147⅓	158⅔	170	181⅓	192⅔	204	215⅓	226⅔	**20**
20	238	249⅓	260⅔	272	283⅓	294⅔	306	317⅓	328⅔	340	**30**
30	351⅓	362⅔	374	385⅓	396⅔	408	419⅓	430⅔	442	453⅓	**40**
40	464⅔	476	487⅓	498⅔	510	521⅓	532⅔	544	555⅓	566⅔	**50**
50	578	589⅓	600⅔	612	623⅓	634⅔	646	657⅓	668⅔	680	**60**
50	691⅓	702⅔	714	725⅓	736⅔	748	759⅓	770⅔	782	793⅓	**70**
70	804⅔	816	827⅓	838⅔	850	861⅓	872⅔	884	895⅓	906⅔	**80**
80	918	929⅓	940⅔	952	963⅓	974⅔	986	997⅓	1008⅔	1020	**90**
90	1031⅓	1042⅔	1054	1065⅓	1076⅔	1088	1099⅓	1110⅔	1122	1133⅓	**100**

1 X 17 / 2 X 8½ = 10

	14⅙	28⅓	42½	56⅔	70⅚	85	99⅙	113⅓	127½	141⅔	**10**
10	155⅚	170	184⅙	198⅓	212½	226⅔	240⅚	255	269⅙	283⅓	**20**
20	297½	311⅔	325⅚	340	354⅙	368⅓	382½	396⅔	410⅚	425	**30**
30	439⅙	453⅓	467½	481⅔	495⅚	510	524⅙	538⅓	552½	566⅔	**40**
40	580⅚	595	609⅙	623⅓	637½	651⅔	665⅚	680	694⅙	708⅓	**50**
50	722½	736⅔	750⅚	765	779⅙	793⅓	807½	821⅔	835⅚	850	**60**
60	864⅙	878⅓	892½	906⅔	920⅚	935	949⅙	963⅓	977½	991⅔	**70**
70	1005⅚	1020	1034⅙	1048⅓	1062½	1076⅔	1090⅚	1105	1119⅙	1133⅓	**80**
80	1147½	1161⅔	1175⅚	1190	1204⅙	1218⅓	1232½	1246⅔	1260⅚	1275	**90**
90	1289⅙	1303⅓	1317½	1331⅔	1345⅚	1360	1374⅙	1388⅓	1402½	1416⅔	**100**

1 X 17 / 2 X 8½ = 12

	17	34	51	68	85	102	119	136	153	170	**10**
10	187	204	221	238	255	272	289	306	323	340	**20**
20	357	374	391	408	425	442	459	476	493	510	**30**
30	527	544	561	578	595	612	629	646	663	680	**40**
40	697	714	731	748	765	782	799	816	833	850	**50**
50	867	884	901	918	935	952	969	986	1003	1020	**60**
60	1037	1054	1071	1088	1105	1122	1139	1156	1173	1190	**70**
70	1207	1224	1241	1258	1275	1292	1309	1326	1343	1360	**80**
80	1377	1394	1411	1428	1445	1462	1479	1496	1513	1530	**90**
90	1547	1564	1581	1598	1615	1632	1649	1666	1683	1700	**100**

For greater number of pieces than shown above, for ½, drop the fraction *and annex 5; for ⅔,* annex 6⅔; for ⅓, annex 3⅓; for 1-6, annex 1⅔; for 5-6, annex *8⅓; see explanations on pages* 2, 3 and 4. See pages 123 to 200 for other sizes *above tables give answers* for.

1 X 17 / 2 X 8½ = 14

	1 Piece Feet	2 Pieces Feet	3 Pieces Feet	4 Pieces Feet	5 Pieces Feet	6 Pieces Feet	7 Pieces Feet	8 Pieces Feet	9 Pieces Feet	10 Pieces Feet	
	19⅚	39⅔	59½	79⅓	99⅙	119	138⅚	158⅔	178½	198⅓	**10**
10	218⅙	238	257⅚	277⅔	297½	317⅓	337⅙	357	376⅚	396⅔	**20**
20	416½	436⅓	456⅙	476	495⅚	515⅔	535½	555⅓	575⅙	595	**30**
30	614⅚	634⅔	654½	674⅓	694⅙	714	733⅚	753⅔	773½	793⅓	**40**
40	813⅙	833	852⅚	872⅔	892½	912⅓	932⅙	952	971⅚	991⅔	**50**
50	1011½	1031⅓	1051⅙	1071	1090⅚	1110⅔	1130½	1150⅓	1170⅙	1190	**60**
60	1209⅚	1229⅔	1249½	1269⅓	1289⅙	1309	1328⅚	1348⅔	1368½	1388⅓	**70**
70	1408⅙	1428	1447⅚	1467⅔	1487½	1507⅓	1527⅙	1547	1566⅚	1586⅔	**80**
80	1606½	1626⅓	1646⅙	1666	1685⅚	1705⅔	1725½	1745⅓	1765⅙	1785	**90**
90	1804⅚	1824⅔	1844½	1864⅓	1884⅙	1904	1923⅚	1943⅔	1963½	1983⅓	**100**

1 X 17 / 2 X 8½ = 16

	22⅔	45⅓	68	90⅔	113⅓	136	158⅔	181⅓	204	226⅔	**10**
10	249⅓	272	294⅔	317⅓	340	362⅔	385⅓	408	430⅔	453⅓	**20**
20	476	498⅔	521⅓	544	566⅔	589⅓	612	634⅔	657⅓	680	**30**
30	702⅔	725⅓	748	770⅔	793⅓	816	838⅔	861⅓	884	906⅔	**40**
40	929⅓	952	974⅔	997⅓	1020	1042⅔	1065⅓	1088	1110⅔	1133⅓	**50**
50	1156	1178⅔	1201⅓	1224	1246⅔	1269⅓	1292	1314⅔	1337⅓	1360	**60**
60	1382⅔	1405⅓	1428	1450⅔	1473⅓	1496	1518⅔	1541⅓	1564	1586⅔	**70**
70	1609⅓	1632	1654⅔	1677⅓	1700	1722⅔	1745⅓	1768	1790⅔	1813⅓	**80**
80	1836	1858⅔	1881⅓	1904	1926⅔	1949⅓	1972	1994⅔	2017⅓	2040	**90**
90	2062⅔	2085⅓	2108	2130⅔	2153⅓	2176	2198⅔	2221⅓	2244	2266⅔	**100**

1 X 17 / 2 X 8½ = 18

	25½	51	76½	102	127½	153	178½	204	229½	255	**10**
10	280½	306	331½	357	382½	408	433½	459	484½	510	**20**
20	535½	561	586½	612	637½	663	688½	714	739½	765	**30**
30	790½	816	841½	867	892½	918	943½	969	994½	1020	**40**
40	1045½	1071	1096½	1122	1147½	1173	1198½	1224	1249½	1275	**50**
50	1300½	1326	1351½	1377	1402½	1428	1453½	1479	1504½	1530	**60**
60	1555½	1581	1606½	1632	1657½	1683	1708½	1734	1759½	1785	**70**
70	1810½	1836	1861½	1887	1912½	1938	1963½	1889	2014½	2040	**80**
80	2065½	2091	2116½	2142	2167½	2193	2218½	2244	2269½	2295	**90**
90	2320½	2346	2371½	2397	2422½	2448	2473½	2499	2524½	2550	**100**

1 X 17 / 2 X 8½ = 20

	28⅓	56⅔	85	113⅓	141⅔	170	198⅓	226⅔	255	283⅓	**10**
10	311⅔	340	368⅓	396⅔	425	453⅓	481⅔	510	538⅓	566⅔	**20**
20	595	623⅓	651⅔	680	708⅓	736⅔	765	793⅓	821⅔	850	**30**
30	878⅓	906⅔	935	963⅓	991⅔	1020	1048⅓	1076⅔	1105	1133⅓	**40**
40	1161⅔	1190	1218⅓	1246⅔	1275	1303⅓	1331⅔	1360	1388⅓	1416⅔	**50**
50	1445	1473⅓	1501⅔	1530	1558⅓	1586⅔	1615	1643⅓	1671⅔	1700	**60**
60	1728⅓	1756⅔	1785	1813⅓	1841⅔	1870	1898⅓	1926⅔	1955	1983⅓	**70**
70	2011⅔	2040	2068⅓	2096⅔	2125	2153⅓	2181⅔	2210	2238⅓	2266⅔	**80**
80	2295	2323⅓	2351⅔	2380	2408⅓	2436⅔	2465	2493⅓	2521⅔	2550	**90**
90	2578⅓	2606⅔	2635	2663⅓	2691⅔	2720	2748⅓	2776⅔	2805	2833⅓	**100**

For greater number of pieces than shown above, for ½, drop the fraction and annex *5; for ⅔ annex 6⅔; for* ⅓, annex 3⅓; **for 1-6, annex 1⅔; for 5-6, annex** *8⅓; see explanations on pages* 2, 3 and 4. **See pages 123 to 200 for other sizes** *above tables give answers for.*

$\substack{1 \times 18 \\ 2 \times 9} = 6$

	1 Piece Feet	2 Pieces Feet	3 Pieces Feet	4 Pieces Feet	5 Pieces Feet	6 Pieces Feet	7 Pieces Feet	8 Pieces Feet	9 Pieces Feet	10 Pieces Feet	
	9	18	27	36	45	54	63	72	81	90	**10**
10	99	108	117	126	135	144	153	162	171	180	**20**
20	189	198	207	216	225	234	243	252	261	270	**30**
30	279	288	297	306	315	324	333	342	351	360	**40**
40	369	378	387	396	405	414	423	432	441	450	**50**
50	459	468	477	486	495	504	513	522	531	540	**60**
60	549	558	567	576	585	594	603	612	621	630	**70**
70	639	648	657	666	675	684	693	702	711	720	**80**
80	729	738	747	756	765	774	783	792	801	810	**90**
90	819	828	837	846	855	864	873	882	891	900	**100**

$\substack{1 \times 18 \\ 2 \times 9} = 8$

	12	24	36	48	60	72	84	96	108	120	**10**
10	132	144	156	168	180	192	204	216	228	240	**20**
20	252	264	276	288	300	312	324	336	348	360	**30**
30	372	384	396	408	420	432	444	456	468	480	**40**
40	492	504	516	528	540	552	564	576	588	600	**50**
50	612	624	636	648	660	672	684	696	708	720	**60**
60	732	744	756	768	780	792	804	816	828	840	**70**
70	852	864	876	888	900	912	924	936	948	960	**80**
80	972	984	996	1008	1020	1032	1044	1056	1068	1080	**90**
90	1092	1104	1116	1128	1140	1152	1164	1176	1188	1200	**100**

$\substack{1 \times 18 \\ 2 \times 9} = 10$

	15	30	45	60	75	90	105	120	135	150	**10**
10	165	180	195	210	225	240	255	270	285	300	**20**
20	315	330	345	360	375	390	405	420	435	450	**30**
30	465	480	495	510	525	540	555	570	585	600	**40**
40	615	630	645	660	675	690	705	720	735	750	**50**
50	765	780	795	810	825	840	855	870	885	900	**60**
60	915	930	945	960	975	990	1005	1020	1035	1050	**70**
70	1065	1080	1095	1110	1125	1140	1155	1170	1185	1200	**80**
80	1215	1230	1245	1260	1275	1290	1305	1320	1335	1350	**90**
90	1365	1380	1395	1410	1425	1440	1455	1470	1485	1500	**100**

$\substack{1 \times 18 \\ 2 \times 9} = 12$

	18	36	54	72	90	108	126	144	162	180	**10**
10	198	216	234	252	270	288	306	324	342	360	**20**
20	378	396	414	432	450	468	486	504	522	540	**30**
30	558	576	594	612	630	648	666	684	702	720	**40**
40	738	756	774	792	810	828	846	864	882	900	**50**
50	918	936	954	972	990	1008	1026	1044	1062	1080	**60**
60	1098	1116	1134	1152	1170	1188	1206	1224	1242	1260	**70**
70	1278	1296	1314	1332	1350	1368	1386	1404	1422	1440	**80**
80	1458	1476	1494	1512	1530	1548	1566	1584	1602	1620	**90**
90	1638	1656	1674	1692	1710	1728	1746	1764	1782	1800	**100**

***For greater* number of pieces than shown above, for ½, drop the fraction *and annex 5;* for ⅔, annex 6⅔; for ⅓, annex 3⅓; for 1-6, annex 1⅔; for 5-6, annex *8⅓; see explanations* on pages 2, 3 and 4. See pages 123 to 200 for other sizes *above tables give* answers for.**

$\genfrac{}{}{0pt}{}{1 \times 18}{2 \times 9} = 14$

	1 Piece	**2** Pieces	**3** Pieces	**4** Pieces	**5** Pieces	**6** Pieces	**7** Pieces	**8** Pieces	**9** Pieces	**10** Pieces	
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	
	21	42	63	84	105	126	147	168	189	210	**10**
10	231	252	273	294	315	336	357	378	399	420	**20**
20	441	462	483	504	525	546	567	588	609	630	**30**
30	651	672	693	714	735	756	777	798	819	840	**40**
40	861	882	903	924	945	966	987	1008	1029	1050	**50**
50	1071	1092	1113	1134	1155	1176	1197	1218	1239	1260	**60**
60	1281	1302	1323	1344	1365	1386	1407	1428	1449	1470	**70**
70	1491	1512	1533	1554	1575	1596	1617	1638	1659	1680	**80**
80	1701	1722	1743	1764	1785	1806	1827	1848	1869	1890	**90**
90	1911	1932	1953	1974	1995	2016	2037	2058	2079	2100	**100**

$\genfrac{}{}{0pt}{}{1 \times 18}{2 \times 9} = 16$

	24	48	72	96	120	144	168	192	216	240	**10**
10	264	288	312	336	360	384	408	432	456	480	**20**
20	504	528	552	576	600	624	648	672	696	720	**30**
30	744	768	792	816	840	864	888	912	936	960	**40**
40	984	1008	1032	1056	1080	1104	1128	1152	1176	1200	**50**
50	1224	1248	1272	1296	1320	1344	1368	1392	1416	1440	**60**
60	1464	1488	1512	1536	1560	1584	1608	1632	1656	1680	**70**
70	1704	1728	1752	1776	1800	1824	1848	1872	1896	1920	**80**
80	1944	1968	1992	2016	2040	2064	2088	2112	2136	2160	**90**
90	2184	2208	2232	2256	2280	2304	2328	2352	2376	2400	**100**

$\genfrac{}{}{0pt}{}{1 \times 18}{2 \times 9} = 18$

	27	54	81	108	135	162	189	216	243	270	**10**
10	297	324	351	378	405	432	459	486	513	540	**20**
20	567	594	621	648	675	702	729	756	783	810	**30**
30	837	864	891	918	945	972	999	1026	1053	1080	**40**
40	1107	1134	1161	1188	1215	1242	1269	1296	1323	1350	**50**
50	1377	1404	1431	1458	1485	1512	1539	1566	1593	1620	**60**
60	1647	1674	1701	1728	1755	1782	1809	1836	1863	1890	**70**
70	1917	1944	1971	1998	2025	2052	2079	2106	2133	2160	**80**
80	2187	2214	2241	2268	2295	2322	2349	2376	2403	2430	**90**
90	2457	2484	2511	2538	2565	2592	2619	2646	2673	2700	**100**

$\genfrac{}{}{0pt}{}{1 \times 18}{2 \times 9} = 20$

	30	60	90	120	150	180	210	240	270	300	**10**
10	330	360	390	420	450	480	510	540	570	600	**20**
20	630	660	690	720	750	780	810	840	870	900	**30**
30	930	960	990	1020	1050	1080	1110	1140	1170	1200	**40**
40	1230	1260	1290	1320	1350	1380	1410	1440	1470	1500	**50**
50	1530	1560	1590	1620	1650	1680	1710	1740	1770	1800	**60**
60	1830	1860	1890	1920	1950	1980	2010	2040	2070	2100	**70**
70	2130	2160	2190	2220	2250	2280	2310	2340	2370	2400	**80**
80	2430	2460	2490	2520	2550	2580	2610	2640	2670	2700	**90**
90	2730	2760	2790	2820	2850	2880	2910	2940	2970	3000	**100**

For greater number of pieces than shown above, for ½, drop the fraction and annex 5; for ⅔, annex 6⅔; for ⅓, annex 3⅓; for 1-6, annex 1⅔; for 5-6, annex 8⅓; *see explanations on pages* 2, 3 and 4. See pages 123 to 200 for other sizes *above tables give answers for.*

$\begin{matrix}1 \times 19\\2 \times 9½\end{matrix} = 6$

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	
	9½	19	28½	38	47½	57	66½	76	85½	95	**10**
10	104½	114	123½	133	142½	152	161½	171	180½	190	**20**
20	199½	209	218½	228	237½	247	256½	266	275½	285	**30**
30	294½	304	313½	323	332½	342	351½	361	370½	380	**40**
40	389½	399	408½	418	427½	437	446½	456	465½	475	**50**
50	484½	494	503½	513	522½	532	541½	551	560½	570	**60**
60	579½	589	598½	608	617½	627	636½	646	655½	665	**70**
70	674½	684	693½	703	712½	722	731½	741	750½	760	**80**
80	769½	779	788½	798	807½	817	826½	836	845½	855	**90**
90	864½	874	883½	893	902½	912	921½	931	940½	950	**100**

$\begin{matrix}1 \times 19\\2 \times 9½\end{matrix} = 8$

	12⅔	25⅓	38	50⅔	63⅓	76	88⅔	101⅓	114	126⅔	**10**
10	139⅓	152	164⅔	177½	190	202⅔	215⅓	228	240⅔	253⅓	**20**
20	266	278⅔	291⅓	304	316⅔	329⅓	342	354⅔	367⅓	380	**30**
30	392⅔	405⅓	418	430⅔	443⅓	456	468⅔	481⅓	494	506⅔	**40**
40	519⅓	532	544⅔	557⅓	570	582⅔	595⅓	608	620⅔	633⅓	**50**
50	646	658⅔	671⅓	684	696⅔	709⅓	722	734⅔	747⅓	760	**60**
60	772⅔	785⅓	798	810⅔	823⅓	836	848⅔	861⅓	874	886⅔	**70**
70	899⅓	912	924⅔	937⅓	950	962⅔	975⅓	988	1000⅔	1013⅓	**80**
80	1026	1038⅔	1051⅓	1064	1076⅔	1089⅓	1102	1114⅔	1127⅓	1140	**90**
90	1152⅔	1165⅓	1178	1190⅔	1203⅓	1216	1228⅓	1241⅓	1254	1266⅔	**100**

$\begin{matrix}1 \times 19\\2 \times 9½\end{matrix} = 10$

	15⅚	31⅔	47½	63⅓	79⅙	95	110⅚	126⅔	142½	158⅓	**10**
10	174⅙	190	205⅚	221⅔	237½	253⅓	269⅙	285	300⅚	316⅔	**20**
20	332½	348⅓	364⅙	380	395⅚	411⅔	427½	443⅓	459⅙	475	**30**
30	490⅚	506⅔	522½	538⅓	554⅙	570	585⅚	601⅔	617½	633⅓	**40**
40	649⅙	665	680⅚	696⅔	712½	728⅓	744⅙	760	775⅚	791⅔	**50**
50	807½	823⅓	839⅙	855	870⅚	886⅔	902½	918⅓	934⅙	950	**60**
60	965⅚	981⅔	997½	1013⅓	1029⅙	1045	1060⅚	1076⅔	1092½	1108⅓	**70**
70	1124⅙	1140	1155⅚	1171⅔	1187½	1203⅓	1219⅙	1235	1250⅚	1266⅔	**80**
80	1282½	1298⅓	1314⅙	1330	1345⅚	1361⅔	1377½	1393⅓	1409⅙	1425	**90**
90	1440⅚	1456⅔	1472½	1488⅓	1504⅙	1520	1535⅚	1551⅔	1567½	1583⅓	**100**

$\begin{matrix}1 \times 19\\2 \times 9½\end{matrix} = 12$

	19	38	57	76	95	114	133	152	171	190	**10**
10	209	228	247	266	285	304	323	342	361	380	**20**
20	399	418	437	456	475	494	513	532	551	570	**30**
30	589	608	627	646	665	684	703	722	741	760	**40**
40	779	798	817	836	855	874	893	912	931	950	**50**
50	969	988	1007	1026	1045	1064	1083	1102	1121	1140	**60**
60	1159	1178	1197	1216	1235	1254	1273	1292	1311	1330	**70**
70	1349	1368	1387	1406	1425	1444	1463	1482	1501	1520	**80**
80	1539	1558	1577	1596	1615	1634	1653	1672	1691	1710	**90**
90	1729	1748	1767	1786	1805	1824	1843	1862	1881	1900	**100**

For greater number of pieces than shown above, for ½, drop the fraction *and annex 5; for* ⅔, annex 6⅔; for ⅓, annex 3⅓; for 1-6, annex 1⅔; for 5-6, annex *8⅓; see explanations on pages 2, 3 and 4.* See pages 123 to 200 for other sizes *above tables give answers for.*

1 X 19 2 X 9½ = 14

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	
	22⅙	44⅓	66½	88⅔	110⅚	133	155⅙	177⅓	199½	221⅔	10
10	243⅚	266	288⅙	310⅓	332½	354⅔	376⅚	399	421⅙	443⅓	20
20	465½	487⅔	509⅚	532	554⅙	576⅓	598½	620⅔	642⅚	665	30
30	687⅙	709⅓	731½	753⅔	775⅚	798	820⅙	842⅓	864½	886⅔	40
40	908⅚	931	953⅙	975⅓	997½	1019⅔	1041⅚	1064	1086⅙	1108⅓	50
50	1130½	1152⅔	1174⅚	1197	1219⅙	1241⅓	1263½	1285⅔	1307⅚	1330	60
60	1352⅙	1374⅓	1396½	1418⅔	1440⅚	1463	1485⅙	1507⅓	1529½	1551⅔	70
70	1573⅚	1596	1618⅙	1640⅓	1662½	1684⅔	1706⅚	1729	1751⅙	1773⅓	80
80	1795½	1817⅔	1839⅚	1862	1884⅙	1906⅓	1928½	1950⅔	1972⅚	1995	90
90	2017⅙	2039⅓	2061½	2083⅔	2105⅚	2128	2150⅙	2172⅓	2194½	2216⅔	100

1 X 19 2 X 9½ = 16

	25⅓	50⅔	76	101⅓	126⅔	152	177⅓	202⅔	228	253⅓	10
10	278⅔	304	329⅓	354⅔	380	405⅓	430⅔	456	481⅓	506⅔	20
20	532	557⅓	582⅔	608	633⅓	658⅔	684	709⅓	734⅔	760	30
30	785⅓	810⅔	836	861⅓	886⅔	912	937⅓	962⅔	988	1013⅓	40
40	1038⅔	1064	1089⅓	1114⅔	1140	1165⅓	1190⅔	1216	1241⅓	1266⅔	50
50	1292	1317⅓	1342⅔	1368	1393⅓	1418⅔	1444	1469⅓	1494⅔	1520	60
60	1545⅓	1570⅔	1596	1621⅓	1646⅔	1672	1697⅓	1722⅔	1748	1773⅓	70
70	1798⅔	1824	1849⅓	1874⅔	1900	1925⅓	1950⅔	1976	2001⅓	2026⅔	80
80	2052	2077⅓	2102⅔	2128	2153⅓	2178⅔	2204	2229⅓	2254⅔	2280	90
90	2305⅓	2330⅔	2356	2381⅓	2406⅔	2432	2457⅓	2482⅔	2508	2533⅓	100

1 X 19 2 X 9½ = 18

	28½	57	85½	114	142½	171	199½	228	256½	285	10
10	313½	342	370½	399	427½	456	484½	513	541½	570	20
20	598½	627	655½	684	712½	741	769½	798	826½	855	30
30	883½	912	940½	969	997½	1026	1054½	1083	1111½	1140	40
40	1168½	1197	1225½	1254	1282½	1311	1339½	1368	1396½	1425	50
50	1453½	1482	1510½	1539	1567½	1596	1624½	1653	1681½	1710	60
60	1738½	1767	1795½	1824	1852½	1881	1909½	1938	1966½	1995	70
70	2023½	2052	2080½	2109	2137½	2166	2194½	2223	2251½	2280	80
80	2308½	2337	2365½	2394	2422½	2451	2479½	2508	2536½	2565	90
90	2593½	2622	2650½	2679	2707½	2736	2764½	2793	2821½	2850	100

1 X 19 2 X 9½ = 20

	31⅔	63⅓	95	126⅔	158⅓	190	221⅔	253⅓	285	316⅔	10
10	348⅓	380	411⅔	443⅓	475	506⅔	538⅓	570	601⅔	633⅓	20
20	665	696⅔	728⅓	760	791⅔	823⅓	855	886⅔	918⅓	950	30
30	981⅔	1013⅓	1045	1076⅔	1108⅓	1140	1171⅔	1203⅓	1235	1266⅔	40
40	1298⅓	1330	1361⅔	1393⅓	1425	1456⅔	1488⅓	1520	1551⅔	1583⅓	50
50	1615	1646⅔	1678⅓	1710	1741⅔	1773⅓	1805	1836⅔	1868⅓	1900	60
60	1931⅔	1963⅓	1995	2026⅔	2058⅓	2090	2121⅔	2153⅓	2185	2216⅔	70
70	2248⅓	2280	2311⅔	2343⅓	2375	2406⅔	2438⅓	2470	2501⅔	2533⅓	80
80	2565	2596⅔	2628⅓	2660	2691⅔	2723⅓	2755	2786⅔	2818⅓	2850	90
90	2881⅔	2913⅓	2945	2976⅔	3008⅓	3040	3071⅔	3105⅓	3135	3166⅔	100

* For greater number of pieces than shown above, for ⅓, drop the fraction and annex 5; for ⅔, annex 6⅔; for ⅛, annex 3⅛; for 1-6, annex 1⅔; for 5-6, annex 8⅓; see explanations on pages 2, 3 and 4. See pages 128 to 200 for other sizes above tables give answers for.

1 x 12
2 x 6 = 18
3 x 4

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	18	36	54	72	90	108	126	144	162	180	**10**
10	198	216	234	252	270	288	306	324	342	360	**20**
20	378	396	414	432	450	468	486	504	522	540	**30**
30	558	576	594	612	630	648	666	684	702	720	**40**
40	738	756	774	792	810	828	846	864	882	900	**50**
50	918	936	954	972	990	1008	1026	1044	1062	1080	**60**
60	1098	1116	1134	1152	1170	1188	1206	1224	1242	1260	**70**
70	1278	1296	1314	1332	1350	1368	1386	1404	1422	1440	**80**
80	1458	1476	1494	1512	1530	1548	1566	1584	1602	1620	**90**
90	1638	1656	1674	1692	1710	1728	1746	1764	1782	1800	**100**
100	1818	1836	1854	1872	1890	1908	1926	1944	1962	1980	**110**
110	1998	2016	2034	2052	2070	2088	2106	2124	2142	2160	**120**
120	2178	2196	2214	2232	2250	2268	2286	2304	2322	2340	**130**
130	2358	2376	2394	2412	2430	2448	2466	2484	2502	2520	**140**
140	2538	2556	2574	2592	2610	2628	2646	2664	2682	2700	**150**
150	2718	2736	2754	2772	2790	2808	2826	2844	2862	2880	**160**
160	2898	2916	2934	2952	2970	2988	3006	3024	3042	3060	**170**
170	3078	3096	3114	3132	3150	3168	3186	3204	3222	3240	**180**
180	3258	3276	3294	3312	3330	3348	3366	3384	3402	3420	**190**
190	3438	3456	3474	3492	3510	3528	3546	3564	3582	3600	**200**
200	3618	3636	3654	3672	3690	3708	3726	3744	3762	3780	**210**
210	3798	3816	3834	3852	3870	3888	3906	3924	3942	3960	**220**
220	3978	3996	4014	4032	4050	4068	4086	4104	4122	4140	**230**
230	4158	4176	4194	4212	4230	4248	4266	4284	4302	4320	**240**
240	4338	4356	4374	4392	4410	4428	4446	4464	4482	4500	**250**
250	4518	4536	4554	4572	4590	4608	4626	4644	4662	4680	**260**
260	4698	4716	4734	4752	4770	4788	4806	4824	4842	4860	**270**
270	4878	4896	4914	4932	4950	4968	4986	5004	5022	5040	**280**
280	5058	5076	5094	5112	5130	5148	5166	5184	5202	5220	**290**
290	5238	5256	5274	5292	5310	5328	5346	5364	5382	5400	**300**
300	5418	5436	5454	5472	5490	5508	5526	5544	5562	5580	**310**
310	5598	5616	5634	5652	5670	5688	5706	5724	5742	5760	**320**
320	5778	5796	5814	5832	5850	5868	5886	5904	5922	5940	**330**
330	5958	5976	5994	6012	6030	6048	6066	6084	6102	6120	**340**
340	6138	6156	6174	6192	6210	6228	6246	6264	6282	6300	**350**
350	6318	6336	6354	6372	6390	6408	6426	6444	6462	6480	**360**
360	6498	6516	6534	6552	6570	6588	6606	6624	6642	6660	**370**
370	6678	6696	6714	6732	6750	6768	6786	6804	6822	6840	**380**
380	6858	6876	6894	6912	6930	6948	6966	6984	7002	7020	**390**
390	7038	7056	7074	7092	7110	7128	7146	7164	7182	7200	**400**
400	7218	7236	7254	7272	7290	7308	7326	7344	7362	7380	**410**
410	7398	7416	7434	7452	7470	7488	7506	7524	7542	7560	**420**
420	7578	7596	7614	7632	7650	7668	7686	7704	7722	7740	**430**
430	7758	7776	7794	7812	7830	7848	7866	7884	7902	7920	**440**
440	7938	7956	7974	7992	8010	8028	8046	8064	8082	8100	**450**
450	8118	8136	8154	8172	8190	8208	8226	8244	8262	8280	**460**
460	8298	8316	8334	8352	8370	8388	8406	8424	8442	8460	**470**
470	8478	8496	8514	8532	8550	8568	8586	8604	8622	8640	**480**
480	8658	8676	8694	8712	8730	8748	8766	8784	8802	8820	**490**
490	8838	8856	8874	8892	8910	8928	8946	8964	8982	9000	**500**

For greater number of pieces than shown above, see exlanations on pages 2, 3 and 4.

1 x 12
2 x 6 = 20
3 x 4

	1 Piece Feet.	2 Pieces Feet.	3 Pieces Feet.	4 Pieces Feet.	5 Pieces Feet.	6 Pieces Feet.	7 Pieces Feet.	8 Pieces Feet.	9 Pieces Feet.	10 Pieces Feet.	
	20	40	60	80	100	120	140	160	180	200	**10**
10	220	240	260	280	300	320	340	360	380	400	**20**
20	420	440	460	480	500	520	540	560	580	600	**30**
30	620	640	660	680	700	720	740	760	780	800	**40**
40	820	840	860	880	900	920	940	960	980	1000	**50**
50	1020	1040	1060	1080	1100	1120	1140	1160	1180	1200	**60**
60	1220	1240	1260	1280	1300	1320	1340	1360	1380	1400	**70**
70	1420	1440	1460	1480	1500	1520	1540	1560	1580	1600	**80**
80	1620	1640	1660	1680	1700	1720	1740	1760	1780	1800	**90**
90	1820	1840	1860	1880	1900	1920	1940	1960	1980	2000	**100**
100	2020	2040	2060	2080	2100	2120	2140	2160	2180	2200	**110**
110	2220	2240	2260	2280	2300	2320	2340	2360	2380	2400	**120**
120	2420	2440	2460	2480	2500	2520	2540	2560	2580	2600	**130**
130	2620	2640	2660	2680	2700	2720	2740	2760	2780	2800	**140**
140	2820	2840	2860	2880	2900	2920	2940	2960	2980	3000	**150**
150	3020	3040	3060	3080	3100	3120	3140	3160	3180	3200	**160**
160	3220	3240	3260	3280	3300	3320	3340	3360	3380	3400	**170**
170	3420	3440	3460	3480	3500	3520	3540	3560	3580	3600	**180**
180	3620	3640	3660	3680	3700	3720	3740	3760	3780	3800	**190**
190	3820	3840	3860	3880	3900	3920	3940	3960	3980	4000	**200**
200	4020	4040	4060	4080	4100	4120	4140	4160	4180	4200	**210**
210	4220	4240	4260	4280	4300	4320	4340	4360	4380	4400	**220**
220	4420	4440	4460	4480	4500	4520	4540	4560	4580	4600	**230**
230	4620	4640	4660	4680	4700	4720	4740	4760	4780	4800	**240**
240	4820	4840	4860	4880	4900	4920	4940	4960	4980	5000	**250**
250	5020	5040	5060	5080	5100	5120	5140	5160	5180	5200	**260**
260	5220	5240	5260	5280	5300	5320	5340	5360	5380	5400	**270**
270	5420	5440	5460	5480	5500	5520	5540	5560	5580	5600	**280**
280	5620	5640	5660	5680	5700	5720	5740	5760	5780	5800	**290**
290	5820	5840	5860	5880	5900	5920	5940	5960	5980	6000	**300**
300	6020	6040	6060	6080	6100	6120	6140	6160	6180	6200	**310**
310	6220	6240	6260	6280	6300	6320	6340	6360	6380	6400	**320**
320	6420	6440	6460	6480	6500	6520	6540	6560	6580	6600	**330**
330	6620	6640	6660	6680	6700	6720	6740	6760	6780	6800	**340**
340	6820	6840	6860	6880	6900	6920	6940	6960	6980	7000	**350**
350	7020	7040	7060	7080	7100	7120	7140	7160	7180	7200	**360**
360	7220	7240	7260	7280	7300	7320	7340	7360	7380	7400	**370**
370	7420	7440	7460	7480	7500	7520	7540	7560	7580	7600	**380**
380	7620	7640	7660	7680	7700	7720	7740	7760	7780	7800	**390**
390	7820	7840	7860	7880	7900	7920	7940	7960	7980	8000	**400**
400	8020	8040	8060	8080	8100	8120	8140	8160	8180	8200	**410**
410	8220	8240	8260	8280	8300	8320	8340	8360	8380	8400	**420**
420	8420	8440	8460	8480	8500	8520	8540	8560	8580	8600	**430**
430	8620	8640	8660	8680	8700	8720	8740	8760	8780	8800	**440**
440	8820	8840	8860	8880	8900	8920	8940	8960	8980	9000	**450**
450	9020	9040	9060	9080	9100	9120	9140	9160	9180	9200	**460**
460	9220	9240	9260	9280	9300	9320	9340	9360	9380	9400	**470**
470	9420	9440	9460	9480	9500	9520	9540	9560	9580	9600	**480**
480	9620	9640	9660	9680	9700	9720	9740	9760	9780	9800	**490**
490	9820	9840	9860	9880	9900	9920	9940	9960	9980	10000	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

1 x 12
2 x 6
3 x 4 = **22**

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	22	44	66	88	110	132	154	176	198	220	**10**
10	242	264	286	308	330	352	374	396	418	440	**20**
20	462	484	506	528	550	572	594	616	638	660	**30**
30	682	704	726	748	770	792	814	836	858	880	**40**
40	902	924	946	968	990	1012	1034	1056	1078	1100	**50**
50	1122	1144	1166	1188	1210	1232	1254	1276	1298	1320	**60**
60	1342	1364	1386	1408	1430	1452	1474	1496	1518	1540	**70**
70	1562	1584	1606	1628	1650	1672	1694	1716	1738	1760	**80**
80	1782	1804	1826	1848	1870	1892	1914	1936	1958	1980	**90**
90	2002	2024	2046	2068	2090	2112	2134	2156	2178	2200	**100**
100	2222	2244	2266	2288	2310	2332	2354	2376	2398	2420	**110**
110	2442	2464	2486	2508	2530	2552	2574	2596	2618	2640	**120**
120	2662	2684	2706	2728	2750	2772	2794	2816	2838	2860	**130**
130	2882	2904	2926	2948	2970	2992	3014	3036	3058	3080	**140**
140	3102	3124	3146	3168	3190	3212	3234	3256	3278	3300	**150**
150	3322	3344	3366	3388	3410	3432	3454	3476	3498	3520	**160**
160	3542	3564	3586	3608	3630	3652	3674	3696	3718	3740	**170**
170	3762	3784	3806	3828	3850	3872	3894	3916	3938	3960	**180**
180	3982	4004	4026	4048	4070	4092	4114	4136	4158	4180	**190**
190	4202	4224	4246	4268	4290	4312	4334	4356	4378	4400	**200**
200	4422	4444	4466	4488	4510	4532	4554	4576	4598	4620	**210**
210	4642	4664	4686	4708	4730	4752	4774	4796	4818	4840	**220**
220	4862	4884	4906	4928	4950	4972	4994	5016	5038	5060	**230**
230	5082	5104	5126	5148	5170	5192	5214	5236	5258	5280	**240**
240	5302	5324	5346	5368	5390	5412	5434	5456	5478	5500	**250**
250	5522	5544	5566	5588	5610	5632	5654	5676	5698	5720	**260**
260	5742	5764	5786	5808	5830	5852	5874	5896	5918	5940	**270**
270	5962	5984	6006	6028	6050	6072	6094	6116	6138	6160	**280**
280	6182	6204	6226	6248	6270	6292	6314	6336	6358	6380	**290**
290	6402	6424	6446	6468	6490	6512	6534	6556	6578	6600	**300**
300	6622	6644	6666	6688	6710	6732	6754	6776	6798	6820	**310**
310	6842	6864	6886	6908	6930	6952	6974	6996	7018	7040	**320**
320	7062	7084	7106	7128	7150	7172	7194	7216	7238	7260	**330**
330	7282	7304	7326	7348	7370	7392	7414	7436	7458	7480	**340**
340	7502	7524	7546	7568	7590	7612	7634	7656	7678	7700	**350**
350	7722	7744	7766	7788	7810	7832	7854	7876	7898	7920	**360**
360	7942	7964	7986	8008	8030	8052	8074	8096	8118	8140	**370**
370	8162	8184	8206	8228	8250	8272	8294	8316	8338	8360	**380**
380	8382	8404	8426	8448	8470	8492	8514	8536	8558	8580	**390**
390	8602	8624	8646	8668	8690	8712	8734	8756	8778	8800	**400**
400	8822	8844	8866	8888	8910	8932	8954	8976	8998	9020	**410**
410	9042	9064	9086	9108	9130	9152	9174	9196	9218	9240	**420**
420	9262	9284	9306	9328	9350	9372	9394	9416	9438	9460	**430**
430	9482	9504	9526	9548	9570	9592	9614	9636	9658	9680	**440**
440	9702	9724	9746	9768	9790	9812	9834	9856	9878	9900	**450**
450	9922	9944	9966	9988	10010	10032	10054	10076	10098	10120	**460**
460	10142	10164	10186	10208	10230	10252	10274	10296	10318	10340	**470**
470	10362	10384	10406	10428	10450	10472	10494	10516	10538	10560	**480**
480	10582	10604	10626	10648	10670	10692	10714	10736	10758	10780	**490**
490	10802	10824	10846	10868	10890	10912	10934	10956	10978	11000	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

1 x 12
2 x 6 = **24**
3 x 4

	1 Piece	**2** Pieces	**3** Pieces	**4** Pieces	**5** Pieces	**6** Pieces	**7** Pieces	**8** Pieces	**9** Pieces	**10** Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	24	48	72	96	120	144	168	192	216	240	**10**
10	264	288	312	336	360	384	408	432	456	480	**20**
20	504	528	552	576	600	624	648	672	696	720	**30**
30	744	768	792	816	840	864	888	912	936	960	**40**
40	984	1008	1032	1056	1080	1104	1128	1152	1176	1200	**50**
50	1224	1248	1272	1296	1320	1344	1368	1392	1416	1440	**60**
60	1464	1488	1512	1536	1560	1584	1608	1632	1656	1680	**70**
70	1704	1728	1752	1776	1800	1824	1848	1872	1896	1920	**80**
80	1944	1968	1992	2016	2040	2064	2088	2112	2136	2160	**90**
90	2184	2208	2232	2256	2280	2304	2328	2352	2376	2400	**100**
100	2424	2448	2472	2496	2520	2544	2568	2592	2616	2640	**110**
110	2664	2688	2712	2736	2760	2784	2808	2832	2856	2880	**120**
120	2904	2928	2952	2976	3000	3024	3048	3072	3096	3120	**130**
130	3144	3168	3192	3216	3240	3264	3288	3312	3336	3360	**140**
140	3384	3408	3432	3456	3480	3504	3528	3552	3576	3600	**150**
150	3624	3648	3672	3696	3720	3744	3768	3792	3816	3840	**160**
160	3864	3888	3912	3936	3960	3984	4008	4032	4056	4080	**170**
170	4104	4128	4152	4176	4200	4224	4248	4272	4296	4320	**180**
180	4344	4368	4392	4416	4440	4464	4488	4512	4536	4560	**190**
190	4584	4608	4632	4656	4680	4704	4728	4752	4776	4800	**200**
200	4824	4848	4872	4896	4920	4944	4968	4992	5016	5040	**210**
210	5064	5088	5112	5136	5160	5184	5208	5232	5256	5280	**220**
220	5304	5328	5352	5376	5400	5424	5448	5472	5496	5520	**230**
230	5544	5568	5592	5616	5640	5664	5688	5712	5736	5760	**240**
240	5784	5808	5832	5856	5880	5904	5928	5952	5976	6000	**250**
250	6024	6048	6072	6096	6120	6144	6168	6192	6216	6240	**260**
260	6264	6288	6312	6336	6360	6384	6408	6432	6456	6480	**270**
270	6504	6528	6552	6576	6600	6624	6648	6672	6696	6720	**280**
280	6744	6768	6792	6816	6840	6864	6888	6912	6936	6960	**290**
290	6984	7008	7032	7056	7080	7104	7128	7152	7176	7200	**300**
300	7224	7248	7272	7296	7320	7344	7368	7392	7416	7440	**310**
310	7464	7488	7512	7536	7560	7584	7608	7632	7656	7680	**320**
320	7704	7728	7752	7776	7800	7824	7848	7872	7896	7920	**330**
330	7944	7968	7992	8016	8040	8064	8088	8112	8136	8160	**340**
340	8184	8208	8232	8256	8280	8304	8328	8352	8376	8400	**350**
350	8424	8448	8472	8496	8520	8544	8568	8592	8616	8640	**360**
360	8664	8688	8712	8736	8760	8784	8808	8832	8856	8880	**370**
370	8904	8928	8952	8976	9000	9024	9048	9072	9096	9120	**380**
380	9144	9168	9192	9216	9240	9264	9288	9312	9336	9360	**390**
390	9384	9408	9432	9456	9480	9504	9528	9552	9576	9600	**400**
400	9624	9648	9672	9696	9720	9744	9768	9792	9816	9840	**410**
410	9864	9888	9912	9936	9960	9984	10008	10032	10056	10080	**420**
420	10104	10128	10152	10176	10200	10224	10248	10272	10296	10320	**430**
430	10344	10368	10392	10416	10440	10464	10488	10512	10536	10560	**440**
440	10584	10608	10632	10656	10680	10704	10728	10752	10776	10800	**450**
450	10824	10848	10872	10896	10920	10944	10968	10992	11016	11040	**460**
460	11064	11088	11112	11136	11160	11184	11208	11232	11256	11280	**470**
470	11304	11328	11352	11376	11400	11424	11448	11472	11496	11520	**480**
480	11544	11568	11592	11616	11640	11664	11688	11712	11736	11760	**490**
490	11784	11808	11832	11856	11880	11904	11928	11952	11976	12000	**500**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

$\frac{1}{2}\ \frac{\text{X}}{\text{X}}\ \frac{13}{6\frac{1}{2}} = 6$

	1 Piece Feet	2 Pieces Feet	3 Pieces Feet	4 Pieces Feet	5 Pieces Feet	6 Pieces Feet	7 Pieces Feet	8 Pieces Feet	9 Pieces Feet	10 Pieces Feet	
	6½	13	19½	26	32½	39	45½	52	58½	65	**10**
10	71½	78	84½	91	97½	104	110½	117	123⅓	130	**20**
20	136½	143	149½	156	162½	169	175½	182	188½	195	**30**
30	201½	208	214½	221	227½	234	240½	247	253½	260	**40**
40	266½	273	279½	286	292½	299	305½	312	318½	325	**50**
50	331½	338	344½	351	357½	364	370½	377	383½	390	**60**
60	396½	403	409½	416	422½	429	435½	442	448½	455	**70**
70	461½	468	474½	481	487½	494	500½	507	513½	520	**80**
80	526½	533	539½	546	552½	559	565½	572	578½	585	**90**
90	591½	598	604½	611	617½	624	630½	637	643⅓	650	**100**

$\frac{1}{2}\ \frac{\text{X}}{\text{X}}\ \frac{13}{6\frac{1}{2}} = 8$

	8⅔	17⅓	26	34⅔	43⅓	52	60⅔	69⅓	78	86⅔	**10**
10	95⅓	104	112⅔	121⅓	130	138⅔	147⅓	156	164⅔	173⅓	**20**
20	182	190⅔	199⅓	208	216⅔	225⅓	234	242⅔	251⅓	260	**30**
30	268⅔	277⅓	286	294⅔	303⅓	312	320⅔	329⅓	338	346⅔	**40**
40	355⅔	364	372⅔	381⅓	390	398⅔	407⅓	416	424⅔	433⅓	**50**
50	442	450⅔	459⅓	468	476⅔	485⅓	494	502⅔	511⅓	520	**60**
60	528⅔	537⅓	546	554⅔	563⅓	572	580⅔	589⅓	598	606⅔	**70**
70	615⅓	624	632⅔	641⅓	650	658⅔	667⅓	676	684⅔	693⅓	**80**
80	702	710⅔	719⅓	728	736⅔	745⅓	754	762⅔	771⅓	780	**90**
90	788⅔	797⅓	806	814⅔	823⅓	832	840⅔	849⅓	858	866⅔	**100**

$\frac{1}{2}\ \frac{\text{X}}{\text{X}}\ \frac{13}{6\frac{1}{2}} = 10$

	10⅚	21⅔	32½	43⅓	54⅙	65	75⅚	86⅔	97½	108⅓	**10**
10	119⅙	130	140⅚	151⅔	162½	173⅓	184⅙	195	205⅚	216⅔	**20**
20	227½	238⅓	249⅙	260	270⅚	281⅔	292½	303⅓	314⅙	325	**30**
30	335⅚	346⅔	357½	368⅓	379⅙	390	400⅚	411⅔	422½	433⅓	**40**
40	444⅙	455	465⅚	476⅔	487½	498⅓	509⅙	520	530⅚	541⅔	**50**
50	552½	563⅓	574⅙	585	595⅚	606⅔	617½	628⅓	639⅙	650	**60**
60	660⅚	671⅔	682½	693⅓	704⅙	715	725⅚	736⅔	747½	758⅓	**70**
70	769⅙	780	790⅚	801⅔	812½	823⅓	834⅙	845	855⅚	866⅔	**80**
80	877½	888⅓	899⅙	910	920⅚	931⅔	942½	953⅓	964⅙	975	**90**
90	985⅚	996⅔	1007½	1018⅓	1029⅙	1040	1050⅚	1061⅔	1072½	1083⅓	**100**

$\frac{1}{2}\ \frac{\text{X}}{\text{X}}\ \frac{13}{6\frac{1}{2}} = 12$

	13	26	39	52	65	78	91	104	117	130	**10**
10	143	156	169	182	195	208	221	234	247	260	**20**
20	273	286	299	312	325	338	351	364	377	390	**30**
30	403	416	429	442	455	468	481	494	507	520	**40**
40	533	546	459	572	585	598	611	624	637	650	**50**
50	663	676	689	702	715	728	741	754	767	780	**60**
60	793	806	819	832	845	858	871	884	897	910	**70**
70	923	936	949	962	975	988	1001	1014	1027	1040	**80**
80	1053	1066	1079	1092	1105	1118	1131	1144	1157	1170	**90**
90	1183	1196	1209	1222	1235	1248	1261	1274	1287	1300	**100**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

1 X 13 / 2 X 6½ = 14

	1 Piece Feet	2 Pieces Feet	3 Pieces Feet	4 Pieces Feet	5 Pieces Feet	6 Pieces Feet	7 Pieces Feet	8 Pieces Feet	9 Pieces Feet	10 Pieces Feet	
	15⅙	30⅓	45½	60⅔	75⅚	91	106⅙	121⅓	136½	151⅔	**10**
10	166⅚	182	197⅙	212⅓	227½	242⅔	257⅚	273	288⅙	303⅓	**20**
20	318½	333⅔	348⅚	364	379⅙	394⅓	409½	424⅔	439⅚	455	**30**
30	470⅙	485⅓	500½	515⅔	530⅚	546	561⅙	576⅓	591½	606⅔	**40**
40	621⅚	637	652⅙	667⅓	682½	697⅔	712⅚	728	743⅙	758⅓	**50**
50	773½	788⅔	803⅚	819	834⅙	849⅓	864½	879⅔	894⅚	910	**60**
60	925⅙	940⅓	955½	970⅔	985⅚	1001	1016⅙	1031⅓	1046½	1061⅔	**70**
70	1076⅚	1092	1107⅙	1122⅓	1137½	1152⅔	1167⅚	1183	1198⅙	1213⅓	**80**
80	1228½	1243⅔	1258⅚	1274	1289⅙	1304⅓	1319½	1334⅔	1349⅚	1365	**90**
90	1380⅙	1395⅓	1410½	1425⅔	1440⅚	1456	1471⅙	1486⅓	1501½	1516⅔	**100**

1 X 13 / 2 X 6½ = 16

	17⅓	34⅔	52	69⅓	86⅔	104	121⅓	138⅔	156	173⅓	**10**
10	190⅔	208	225⅓	242⅔	260	277⅓	294⅔	312	329⅓	346⅔	**20**
20	364	381⅓	398⅔	416	433⅓	450⅔	468	485⅓	502⅔	520	**30**
30	537⅓	554⅔	572	589⅓	606⅔	624	641⅓	658⅔	676	693⅓	**40**
40	710⅔	728	745⅓	762⅔	780	797⅓	814⅔	832	849⅓	866⅔	**50**
50	884	901⅓	918⅔	936	953⅓	970⅔	988	1005⅓	1022⅔	1040	**60**
60	1057⅓	1074⅔	1092	1109⅓	1126⅔	1144	1161⅓	1178⅔	1196	1213⅓	**70**
70	1230⅔	1248	1265⅓	1282⅔	1300	1317⅓	1334⅔	1352	1369⅓	1386⅔	**80**
80	1404	1421⅓	1438⅔	1456	1473⅓	1490⅔	1508	1525⅓	1542⅔	1560	**90**
90	1577⅓	1594⅔	1612	1629⅓	1646⅔	1664	1681⅓	1698⅔	1716	1733⅓	**100**

1 X 13 / 2 X 6½ = 18

	19½	39	58½	78	97½	117	136½	156½	175½	195	**10**
10	214½	234	253½	273	292½	312	331½	351	370½	390	**20**
20	409½	429	448½	468	487½	507	526½	546	565½	585	**30**
30	604½	624	643½	663	682½	702	721½	741	760½	780	**40**
40	799½	819	838½	858	877½	897	916½	936	955½	975	**50**
50	994½	1014	1033½	1053	1072½	1092	1111½	1131	1150½	1170	**60**
60	1189½	1209	1228½	1248	1267½	1287	1306½	1326	1345½	1365	**70**
70	1384½	1404	1423½	1443	1462½	1482	1501½	1521	1540½	1560	**80**
80	1579½	1599	1618½	1638	1657½	1677	1696½	1716	1735½	1755	**90**
90	1774½	1794	1813½	1833	1852½	1872	1891½	1911	1930½	1950	**100**

1 X 13 / 2 X 6½ = 20

	21⅔	43⅓	65	86⅔	108⅓	130	151⅔	173⅓	195	216⅔	**10**
10	238⅓	260	281⅔	303⅓	325	346⅔	368⅓	390	411⅔	433⅓	**20**
20	455	476⅔	498⅓	520	541⅔	563⅓	585	606⅔	628⅓	650	**30**
30	671⅔	693⅓	715	736⅔	758⅓	780	801⅔	823⅓	845	866⅔	**40**
40	888⅓	910	931⅔	953⅓	975	996⅔	1018⅓	1040	1061⅔	1083⅓	**50**
50	1105	1126⅔	1148⅓	1170	1191⅔	1213⅓	1235	1256⅔	1278⅓	1300	**60**
60	1321⅔	1343⅓	1365	1386⅔	1408⅓	1430	1451⅔	1473⅓	1495	1516⅔	**70**
70	1538⅓	1560	1581⅔	1603⅓	1625	1646⅔	1668⅓	1690	1711⅔	1733⅓	**80**
80	1755	1776⅔	1798⅓	1820	1841⅔	1863⅓	1885	1906⅔	1928⅓	1950	**90**
90	1971⅔	1993⅓	2015	2036⅔	2058⅓	2080	2101⅔	2123⅓	2145	2166⅔	**100**

Example: 55 pieces 1x13=16; see table above for 1x13=16, 55 pieces contains 953⅓ feet. Suppose *you wish to* find number of feet in 550 pieces, drop fraction ⅓ and add 3⅓, 550 *pieces 9533⅓ feet*: if 553 pieces, add the amount in 3 pieces 52 / 9585⅓ ft. in 553 pieces.

See pages 3, 4 and 5 for explanations.

$\genfrac{}{}{0pt}{}{1 \times 14}{2 \times 7} = 6$

	1 Piece Feet	2 Pieces Feet	3 Pieces Feet	4 Pieces Feet	5 Pieces Feet	6 Pieces Feet	7 Pieces Feet	8 Pieces Feet	9 Pieces Feet	10 Pieces Feet	
	7	14	21	28	35	42	49	56	63	70	**10**
10	77	84	91	98	105	112	119	126	133	140	**20**
20	147	154	161	168	175	182	189	196	203	210	**30**
30	217	224	231	238	245	252	259	266	273	280	**40**
40	287	294	301	308	315	322	329	336	343	350	**50**
50	357	364	371	378	385	392	399	406	413	420	**60**
60	427	434	441	448	455	462	469	476	483	490	**70**
70	497	504	511	518	525	532	539	546	553	560	**80**
80	567	574	581	588	595	602	609	616	623	630	**90**
90	637	644	651	658	665	672	679	686	693	700	**100**

$\genfrac{}{}{0pt}{}{1 \times 14}{2 \times 7} = 8$

	9⅓	18⅔	28	37⅓	46⅔	56	65⅓	74⅔	84	93⅓	**10**
10	102⅔	112	121⅓	130⅔	140	149⅓	158⅔	168	177	186⅔	**20**
20	196	205⅓	214⅔	224	233⅓	242⅔	252	261⅓	270⅔	280	**30**
30	289⅓	298⅔	308	317⅓	326⅔	336	345⅓	354⅔	364	373⅓	**40**
40	382⅔	392	401⅓	410⅔	420	429⅓	438⅔	448	457⅓	466⅔	**50**
50	476	485⅓	494⅔	504	513⅓	522⅔	532	541⅓	550⅔	560	**60**
60	569⅓	578⅔	588	597⅓	606⅔	616	625⅓	634⅔	644	653⅓	**70**
70	662⅔	672	681⅓	690⅔	700	709⅓	718⅔	728	737⅓	746⅔	**80**
80	756	765⅓	774⅔	784	793⅓	802⅔	812	821⅓	830⅔	840	**90**
90	849⅓	858⅔	868	877⅓	886⅔	896	905⅓	914⅔	924	933⅓	**100**

$\genfrac{}{}{0pt}{}{1 \times 14}{2 \times 7} = 10$

	11⅔	23⅓	35	46⅔	58⅓	70	81⅔	93⅓	105	116⅔	**10**
10	128⅓	140	151⅔	163⅓	175	186⅔	198⅓	210	221⅔	233⅓	**20**
20	245	256⅔	268⅓	280	291⅔	303⅓	315	326⅔	338⅓	350	**30**
30	361⅔	373⅓	385	396⅔	408⅓	420	431⅔	443⅓	455	466⅔	**40**
40	478⅓	490	501⅔	513⅓	525	536⅔	548⅓	560	571⅔	583⅓	**50**
50	595	606⅔	618⅓	630	641⅔	653⅓	665	676⅔	688⅓	700	**60**
60	711⅔	723⅓	735	746⅔	758⅓	770	781⅔	793⅓	805	816⅔	**70**
70	828⅓	840	851⅔	863⅓	875	886⅔	898⅓	910	921⅔	933⅓	**80**
80	945	956⅔	968⅓	980	991⅔	1003⅓	1015	1026⅔	1038⅓	1050	**90**
90	1061⅔	1073⅓	1085	1096⅔	1108⅓	1120	1131⅔	1143⅓	1155	1166⅔	**100**

$\genfrac{}{}{0pt}{}{1 \times 14}{2 \times 7} = 12$

	14	28	42	56	70	84	98	112	126	140	**10**
10	154	168	182	196	210	224	238	252	266	280	**20**
20	294	308	322	336	350	364	378	392	406	420	**30**
30	434	448	462	476	490	504	518	532	546	560	**40**
40	574	588	602	616	630	644	658	672	686	700	**50**
50	714	728	742	756	770	784	798	812	826	840	**60**
60	854	868	882	896	910	924	938	952	966	980	**70**
70	994	1008	1022	1036	1050	1064	1078	1092	1106	1120	**80**
80	1134	1148	1162	1176	1190	1204	1218	1232	1246	1260	**90**
90	1274	1288	1302	1316	1330	1344	1358	1372	1386	1400	**100**

For greater number of pieces than shown above, see *explanations on pages 2, 3* and 4.

$\frac{1 \times 14}{2 \times 7} = 14$

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	
	16⅓	32⅔	49	65⅓	81⅔	98	114⅓	130⅔	147	163⅓	**10**
10	179⅔	196	212⅓	228⅔	245	261⅓	277⅔	294	310⅓	326⅔	**20**
20	343	359⅓	375⅔	392	408⅓	424⅔	441	457⅓	473⅔	490	**30**
30	506⅓	522⅔	539	555⅓	571⅔	588	604⅓	620⅔	637	653⅓	**40**
40	669⅔	686⅓	702⅓	718⅔	735	751⅓	767⅔	784	800⅓	816⅔	**50**
50	833	849⅓	865⅔	882	898⅓	914⅔	931	947⅓	963⅔	980	**60**
60	996⅓	1012⅔	1029	1045⅓	1061⅔	1078	1094⅓	1110⅔	1127	1143⅓	**70**
70	1159⅔	1176	1192⅓	1208⅔	1225	1241⅓	1257⅔	1274	1290⅓	1306⅔	**80**
80	1323	1339⅓	1355⅔	1372	1388⅓	1404⅔	1421	1437⅓	1453⅔	1470	**90**
90	1486⅓	1502⅔	1519	1535⅓	1551⅔	1568	1584⅓	1600⅔	1617	1633⅓	**100**

$\frac{1 \times 14}{2 \times 7} = 16$

	18⅔	37⅓	56	74⅔	93⅓	112	130⅔	149⅓	168	186⅔	**10**
10	205⅓	224	242⅔	261⅓	280	298⅔	317⅓	336	354⅔	373⅓	**20**
20	392	410⅔	429⅓	448	466⅔	485⅓	504	522⅔	541⅓	560	**30**
30	578⅔	597⅓	616	634⅔	653⅓	672	690⅔	709⅓	728	746⅔	**40**
40	765⅓	784	802⅔	821⅓	840	858⅔	877⅓	896	914⅔	933⅓	**50**
50	952	970⅔	989⅓	1008	1026⅔	1045⅓	1064	1082⅔	1101⅓	1120	**60**
60	1138⅔	1157⅓	1176	1194⅔	1213⅓	1232	1250⅔	1269⅓	1288	1306⅔	**70**
70	1325⅓	1344	1362⅔	1381⅓	1400	1418⅔	1437⅓	1456	1474⅔	1493⅓	**80**
80	1512	1530⅔	1549⅓	1568	1586⅔	1605⅓	1624	1642⅔	1661⅓	1680	**90**
90	1698⅔	1717⅓	1736	1754⅔	1773⅓	1792	1810⅔	1829⅓	1848	1866⅔	**100**

$\frac{1 \times 14}{2 \times 7} = 18$

	21	42	63	84	105	126	147	168	189	210	**10**
10	231	252	273	294	315	336	357	378	399	420	**20**
20	441	462	483	504	525	546	567	588	609	630	**30**
30	651	672	693	714	735	756	777	798	819	840	**40**
40	861	882	903	924	945	966	987	1008	1029	1050	**50**
50	1071	1092	1113	1134	1155	1176	1197	1218	1239	1260	**60**
60	1281	1302	1323	1344	1365	1386	1407	1428	1449	1470	**70**
70	1491	1512	1533	1554	1575	1596	1617	1638	1659	1680	**80**
80	1701	1722	1743	1764	1785	1806	1827	1848	1869	1890	**90**
90	1911	1932	1953	1974	1995	2016	2037	2058	2079	2100	**100**

$\frac{1 \times 14}{2 \times 7} = 20$

	23⅓	46⅔	70	93⅓	116⅔	140	163⅓	186⅔	210	233⅓	**10**
10	256⅔	280	303⅓	326⅔	350	373⅓	396⅔	420	443⅓	466⅔	**20**
20	490	513⅓	536⅔	560	583⅓	606⅔	630	653⅓	676⅔	700	**30**
30	723⅓	746⅔	770	793⅓	816⅔	840	863⅓	886⅔	910	933⅓	**40**
40	956⅔	980	1003⅓	1026⅔	1050	1073⅓	1096⅔	1120	1143⅓	1166⅔	**50**
50	1190	1213⅓	1236⅔	1260	1283⅓	1306⅔	1330	1353⅓	1376⅔	1400	**60**
60	1423⅓	1446⅔	1470	1493⅓	1516⅔	1540	1563⅓	1586⅔	1610	1633⅓	**70**
70	1656⅔	1680	1703⅓	1726⅔	1750	1773⅓	1796⅔	1820	1843⅓	1866⅔	**80**
80	1890	1913⅓	1936⅔	1960	1983⅓	2006⅔	2030	2053⅓	2076⅔	2100	**90**
90	2123⅓	2146⅔	2170	2193⅓	2216⅔	2240	2263⅓	2286⅔	2310	2333⅓	**100**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

1 X 15
2 X 7½ = 6

	1 Piece Feet	2 Pieces Feet	3 Pieces Feet	4 Pieces Feet	5 Pieces Feet	6 Pieces Feet	7 Pieces Feet	8 Pieces Feet	9 Pieces Feet	10 Pieces Feet	
	7½	15	22½	30	37½	45	52½	60	67½	75	**10**
10	82½	90	97½	105	112½	120	127½	135	142½	150	**20**
20	157½	165	172½	180	187½	195	202½	210	217½	225	**30**
30	232½	240	247½	255	262½	270	277½	285	292½	300	**40**
40	307½	315	322½	330	337½	345	352½	360	367½	375	**50**
50	382½	390	397½	405	412½	420	427½	435	442½	450	**60**
60	457½	465	472½	480	487½	495	502½	510	517½	525	**70**
70	532½	540	547½	555	562½	570	577½	585	592½	600	**80**
80	607½	615	622½	630	637½	645	652½	660	667½	675	**90**
90	682½	690	697½	705	712½	720	727½	735	742½	750	**100**

1 X 15
2 X 7½ = 8

	10	20	30	40	50	60	70	80	90	100	**10**
10	110	120	130	140	150	160	170	180	190	200	**20**
20	210	220	230	240	250	260	270	280	290	300	**30**
30	310	320	330	340	350	360	370	380	390	400	**40**
40	410	420	430	440	450	460	470	480	490	500	**50**
50	510	520	530	540	550	560	570	580	590	600	**60**
60	610	620	630	640	650	660	670	680	690	700	**70**
70	710	720	730	740	750	760	770	780	790	800	**80**
80	810	820	830	840	850	860	870	880	890	900	**90**
90	910	920	930	940	950	960	970	980	990	1000	**100**

1 X 15
2 X 7½ = 10

	12½	25	37½	50	62½	75	87½	100	112½	125	**10**
10	137½	150	162½	175	187½	200	212½	225	237½	250	**20**
20	262½	275	287½	300	312½	325	337½	350	362½	375	**30**
30	387½	400	412½	425	437½	450	462½	475	487½	500	**40**
40	512½	525	537½	550	562½	575	587½	600	612½	625	**50**
50	637½	650	662½	675	687½	700	712½	725	737½	750	**60**
60	762½	775	787½	800	812½	825	837½	850	862½	875	**70**
70	887½	900	912½	925	937½	950	962½	975	987½	1000	**80**
80	1012½	1025	1037½	1050	1062½	1075	1087½	1100	1112½	1125	**90**
90	1137½	1150	1162½	1175	1187½	1200	1212½	1225	1237½	1250	**100**

1 X 15
2 X 7½ = 12

	15	30	45	60	75	90	105	120	135	150	**10**
10	165	180	195	210	225	240	255	270	285	300	**20**
20	315	330	345	360	375	390	405	420	435	450	**30**
30	465	480	495	510	525	540	555	570	585	600	**40**
40	615	630	645	660	675	690	705	720	735	750	**50**
50	765	780	795	810	825	840	855	870	885	900	**60**
60	915	930	945	960	975	990	1005	1020	1035	1050	**70**
70	1065	1080	1095	1110	1125	1140	1155	1170	1185	1200	**80**
80	1215	1230	1245	1260	1275	1290	1305	1320	1335	1350	**90**
90	1365	1380	1395	1410	1425	1440	1455	1470	1485	1500	**100**

For greater number of pieces than shown above, see ex*planations on pages 2, 3* and 4.

1 X 15 / 2 X 7½ = 14

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	
	17½	35	52½	70	87½	105	122½	140	157½	175	**10**
10	192½	210	227½	245	262½	280	297½	315	332½	350	**20**
20	367½	385	402½	420	437½	455	472½	490	507½	525	**30**
30	542½	560	577½	595	612½	630	647½	665	682½	700	**40**
40	717½	735	752½	770	887½	805½	822½	840	857½	875	**50**
50	892½	910	927½	945	962½	980	997½	1015	1032½	1050	**60**
60	1067½	1085	1102½	1120	1137½	1155	1172½	1190	1207½	1225	**70**
70	1242½	1260	1277½	1295	1312½	1330	1347½	1365	1382½	1400	**80**
80	1417½	1435	1452½	1470	1487½	1505½	1522½	1540	1557½	1575	**90**
90	1592½	1610	1627½	1645	1662½	1680	1697½	1715	1732½	1750	**100**

1 X 15 / 2 X 7½ = 16

	20	40	60	80	100	120	140	160	180	200	**10**
10	220	240	260	280	300	320	340	360	380	400	**20**
20	420	440	460	480	500	520	540	560	580	600	**30**
30	620	640	660	680	700	720	740	760	780	800	**40**
40	820	840	860	880	900	920	940	960	980	1000	**50**
50	1020	1040	1060	1080	1100	1120	1140	1160	1180	1200	**60**
60	1220	1240	1260	1280	1300	1320	1340	1360	1380	1400	**70**
70	1420	1440	1460	1480	1500	1520	1540	1560	1580	1600	**80**
80	1620	1640	1660	1680	1700	1720	1740	1760	1780	1800	**90**
90	1820	1840	1860	1880	1900	1920	1940	1960	1980	2000	**100**

1 X 15 / 2 X 7½ = 18

	22½	45	67½	90	112½	135	157½	180	202½	225	**10**
10	247½	270	292½	315	337½	360	382½	405	427½	450	**20**
20	472½	495	517½	540	562½	585	607½	630	652½	675	**30**
30	697½	720	742½	765	787½	810	832½	855	877½	900	**40**
40	922½	945	967½	990	1012½	1035	1057½	1080	1102½	1125	**50**
50	1147½	1170	1192½	1215	1237½	1260	1282½	1305	1327½	1350	**60**
60	1372½	1395	1417½	1440	1462½	1485	1507½	1530	1552½	1575	**70**
70	1597½	1620	1642½	1665	1687½	1710	1732½	1755	1777½	1800	**80**
80	1822½	1845	1867½	1890	1912½	1935	1957½	1980	2002½	2025	**90**
90	2047½	3070	2092½	2115	2137½	2160	2182½	2205	2227½	2250	**100**

1 X 15 / 2 X 7½ = 20

	25	50	75	100	125	150	175	200	225	250	**10**
10	275	300	325	350	375	400	425	450	475	500	**20**
20	525	550	575	600	625	650	675	700	725	750	**30**
30	775	800	825	850	875	900	925	950	975	1000	**40**
40	1025	1050	1075	1100	1125	1150	1175	1200	1225	1250	**50**
50	1275	1300	1325	1350	1375	1400	1425	1450	1475	1500	**60**
60	1525	1550	1575	1600	1625	1650	1675	1700	1725	1750	**70**
70	1775	1800	1825	1850	1875	1900	1925	1950	1975	2000	**80**
80	2025	2050	2075	2100	2125	2150	2175	2200	2225	2250	**90**
90	2275	2300	2325	2350	2375	2400	2425	2450	2475	2500	**100**

For greater number of pieces **than shown** above, see **explanations** *on pages* 2, 3 and 4.

$\genfrac{}{}{0pt}{}{8 \times 8}{4 \times 16} = 20$

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	106⅔	213⅓	320	426⅔	533⅓	640	746⅔	853⅓	960	1066⅔	**10**
10	1173⅓	1280	1386⅔	1493⅓	1600	1706⅔	1813⅓	1920	2026⅔	2133⅓	**20**
20	2240	2346⅔	2453⅓	2560	2666⅔	2773⅓	2880	2986⅔	3093⅓	3200	**30**
30	3306⅔	3413⅓	3520	3626⅔	3733⅓	3840	3946⅔	4053⅓	4160	4266⅔	**40**
40	4373⅓	4480	4586⅔	4693⅓	4800	4906⅔	5013⅓	5120	5226⅔	5333⅓	**50**

8 × 8 = 22

	117⅓	234⅔	352	469⅓	586⅔	704	821⅓	938⅔	1056	1173⅓	**10**
10	1290⅔	1408	1525⅓	1642⅔	1760	1877⅓	1994⅔	2112	2229⅓	2346⅔	**20**
20	2464	2581⅓	2698⅔	2816	2933⅓	3050⅔	3168	3285⅓	3402⅔	3520	**30**
30	3637⅓	3754⅔	3872	3989⅓	4106⅔	4224	4341⅓	4458⅔	4576	4693⅓	**40**
40	4810⅔	4928	5045⅓	5162⅔	5280	5397⅓	5514⅔	5632	5749⅓	5866⅔	**50**

8 × 8 = 24

	128	256	384	512	640	768	896	1024	1152	1280	**10**
10	1408	1536	1664	1792	1920	2048	2176	2304	2432	2560	**20**
20	2688	2816	2944	3072	3200	3328	3456	3584	3712	3840	**30**
30	3968	4096	4224	4352	4480	4608	4736	4864	4992	5120	**40**
40	5248	5376	5504	5632	5760	5888	6016	6144	6272	6400	**50**

8 × 8 = 26

	138⅔	277⅓	416	554⅔	693⅓	832	970⅔	1109⅓	1248	1386⅔	**10**
10	1525⅓	1664	1802⅔	1941⅓	2080	2218⅔	2357⅓	2496	2634⅔	2773⅓	**20**
20	2912	3050⅔	3189⅓	3328	3466⅔	3605⅓	3744	3882⅔	4021⅓	4160	**30**
30	4298⅔	4437⅓	4576	4714⅔	4853⅓	4992	5130⅔	5269⅓	5408	5546⅔	**40**

8 × 8 = 28

	149⅓	298⅔	448	597⅓	746⅔	896	1045⅓	1194⅔	1344	1493⅓	**10**
10	1642⅔	1792	1941⅓	2090⅔	2240	2389⅓	2538⅔	2688	2837⅓	2986⅔	**20**
20	3136	3285⅓	3434⅔	3584	3733⅓	3882⅔	4032	4181⅓	4330⅔	4480	**30**
30	4629⅓	4778⅔	4928	5077⅓	5226⅔	5376	5525⅓	5674⅔	5824	5973⅓	**40**

8 × 8 = 30

	160	320	480	640	800	960	1120	1280	1440	1600	**10**
10	1760	1920	2080	2240	2400	2560	2720	2880	3040	3200	**20**
20	3360	3520	3680	3840	4000	4160	4320	4480	4640	4800	**30**
30	4960	5120	5280	5440	5600	5760	5920	6080	6240	6400	**40**

8 × 8 = 32

	170⅔	341⅓	512	682⅔	853⅓	1024	1194⅔	1365⅓	1536	1706⅔	**10**
10	1877⅓	2048	2218⅔	2389⅓	2560	2730⅔	2901⅓	3072	3242⅔	3413⅓	**20**
20	3584	3754⅔	3925⅓	4096	4266⅔	4437⅓	4608	4778⅔	4949⅓	5120	**30**
30	5290⅔	5461⅓	5632	5802⅔	5973⅓	6144	6314⅔	6485⅓	6656	6826⅔	**40**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

$\substack{8\\4}\ \substack{x\\x}\ \substack{8\\6}$=34

	1 Piece Feet.	2 Pieces Feet.	3 Pieces Feet.	4 Pieces Feet.	5 Pieces Feet.	6 Pieces Feet.	7 Pieces Feet.	8 Pieces Feet.	9 Pieces Feet.	10 Pieces Feet.	
	181⅓	362⅔	544	725⅓	906⅔	1088	1269⅓	1450⅔	1632	1813⅓	**10**
10	1994⅔	2176	2357⅓	2538⅔	2720	2901⅓	3082⅔	3264	3445⅓	3626⅔	**20**
20	3808	3989⅓	4170⅔	4352	4533⅓	4714⅔	4896	5077⅓	5258⅔	5440	**30**
30	5621⅓	5802⅔	5984	6165⅓	6346⅔	6528	6709⅓	6890⅔	7072	7253⅓	**40**

8 × 8   36

	192	384	576	768	960	1152	1344	1536	1728	1920	**10**
10	2112	2304	2496	2688	2880	3072	3264	3456	3648	3840	**20**
20	4032	4224	4416	4608	4800	4992	5184	5376	5568	5760	**30**
30	5952	6144	6336	6528	6720	6912	7104	7296	7488	7680	**40**

8 ×8=38

	202⅔	405⅓	608	810⅔	1013⅓	1216	1418⅔	1621⅓	1824	2026⅔	**10**
10	2229⅓	2432	2634⅔	2837⅓	3040	3242⅔	3445⅓	3648	3850⅔	4053⅓	**20**
20	4256	4458⅔	4661⅓	4864	5066⅔	5269⅓	5472	5674⅔	5877⅓	6080	**30**
30	6282⅔	6485⅓	6688	6890⅔	7093⅓	7296	7498⅔	7701⅓	7904	8106⅔	**40**

8×8 40

	213⅓	426⅔	640	853⅓	1066⅔	1280	1493⅓	1706⅔	1920	2133⅓	**10**
10	2346⅔	2560	2773⅓	2986⅔	3200	3413⅓	3626⅔	3840	4053⅓	4266⅔	**20**
20	4480	4693⅓	4906⅔	5120	5333⅓	5546⅔	5760	5973⅓	6186⅔	6400	**30**
30	6613⅓	6826⅔	7040	7253⅓	7466⅔	7680	7893⅓	8106⅔	8320	8533⅓	**40**

$\substack{8\\5}\ \substack{x\\x}\ \substack{10\\16}$= 2

	80	160	240	320	400	480	560	640	720	800	**10**
10	880	960	1040	1120	1200	1280	1360	1440	1520	1600	**20**
20	1680	1760	1840	1920	2000	2080	2160	2240	2320	2400	**30**
30	2480	2560	2640	2720	2800	2880	2960	3040	3120	3200	**40**
40	3280	3360	3440	3520	3600	3680	3760	3840	3920	4000	**50**

8× 0= 4

	93⅓	186⅔	280	373⅓	466⅔	560	653⅓	746⅔	840	933⅓	**10**
10	1026⅔	1120	1213⅓	1306⅔	1400	1493⅓	1586⅔	1680	1773⅓	1866⅔	**20**
20	1960	2053⅓	2146⅔	2240	2333⅓	2426⅔	2520	2613⅓	2706⅔	2800	**30**
30	2893⅓	2986⅔	3080	3173⅓	3266⅔	3360	3453⅓	3546⅔	3640	3733⅓	**40**
40	3826⅔	3920	4013⅓	4106⅔	4200	4293⅓	4386⅔	4480	4573⅓	4666⅔	**50**

8×10= 6

	106⅔	213⅓	320	426⅔	533⅓	640	746⅔	853⅓	960	1066⅔	**10**
10	1173⅓	1280	1386⅔	1493⅓	1600	1706⅔	1813⅓	1920	2026⅔	2133⅓	**20**
20	2240	2346⅔	2453⅓	2560	2666⅔	2773⅓	2880	2986⅔	3093⅓	3200	**30**
30	3306⅔	3413⅓	3520	3626⅔	3733⅓	3840	3946⅔	4053⅓	4160	4266⅔	**40**
40	4373⅓	4480	4586⅔	4693⅓	4800	4906⅔	5013⅓	5120	5226⅔	5333⅓	**50**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

$\begin{smallmatrix}8 \times & 0\\ 5 \times & 6\end{smallmatrix} = 18$

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	120	240	360	480	600	720	840	960	1080	1200	**10**
10	1320	1440	1560	1680	1800	1920	2040	2160	2280	2400	**20**
20	2520	2640	2760	2880	3000	3120	3240	3360	3480	3600	**30**
30	3720	3840	3960	4080	4200	4320	4440	4560	4680	4800	**40**
40	4920	5040	5160	5280	5400	5520	5640	5760	5880	6000	**50**

8 × 10=20

	133⅓	266⅔	400	533⅓	666⅔	800	933⅓	1066⅔	1200	1333⅓	**10**
10	1466⅔	1600	1733⅓	1866⅔	2000	2133⅓	2266⅔	2400	2533⅓	2666⅔	**20**
20	2800	2933⅓	3066⅔	3200	3333⅓	3466⅔	3600	3733⅓	3866⅔	4000	**30**
30	4133⅓	4266⅔	4400	4533⅓	4666⅔	4800	4933⅓	5066⅔	5200	5333⅓	**40**
40	5466⅔	5600	5733⅓	5866⅔	6000	6133⅓	6266⅔	6400	6533⅓	6666⅔	**50**

8 × 0=22

	146⅔	293⅓	440	586⅔	733⅓	880	1026⅔	1173⅓	1320	1466⅔	**10**
10	1613⅓	1760	1906⅔	2053⅓	2200	2346⅔	2493⅓	2640	2786⅔	2933⅓	**20**
20	3080	3226⅔	3373⅓	3520	3666⅔	3813⅓	3960	4106⅔	4253⅓	4400	**30**
30	4546⅔	4693⅓	4840	4986⅔	5133⅓	5280	5426⅔	5573⅓	5720	5866⅔	**40**
40	6013⅓	6160	6306⅔	6453⅓	6600	6746⅔	6893⅓	7040	7186⅔	7333⅓	**50**

8 × 0 24

	160	320	480	640	800	960	1120	1280	1440	1600	**10**
10	1760	1920	2080	2240	2400	2560	2720	2880	3040	3200	**20**
20	3360	3520	3680	3840	4000	4160	4320	4480	4640	4800	**30**
30	4960	5120	5280	5440	5600	5760	5920	6080	6240	6400	**40**
40	6560	6720	6880	7040	7200	7360	7520	7680	7840	8000	**50**

8 × 10 = 26

	173⅓	346⅔	520	693⅓	866⅔	1040	1213⅓	1386⅔	1560	1733⅓	**10**
10	1906⅔	2080	2253⅓	2426⅔	2600	2773⅓	2946⅔	3120	3293⅓	3466⅔	**20**
20	3640	3813⅓	3986⅔	4160	4333⅓	4506⅔	4680	4853⅓	5026⅔	5200	**30**
30	5373⅓	5546⅔	5720	5893⅓	6066⅔	6240	6413⅓	6586⅔	6760	6933⅓	**40**

8 × 10 = 28

	186⅔	373⅓	560	746⅔	933⅓	1120	1306⅔	1493⅓	1680	1866⅔	**10**
10	2053⅓	2240	2426⅔	2613⅓	2800	2986⅓	3173⅓	3360	3546⅔	3733⅓	**20**
20	3920	4106⅔	4293⅓	4480	4666⅔	4853⅓	5040	5226⅔	5413⅓	5600	**30**
30	5786⅔	5973⅓	6160	6346⅔	6533⅓	6720	6906⅔	7093⅓	7280	7466⅔	**40**

8 × 0 30

	200	400	600	800	1000	1200	1400	1600	1800	2000	**10**
10	2200	2400	2600	2800	3000	3200	3400	3600	3800	4000	**20**
20	4200	4400	4600	4800	5000	5200	5400	5600	5800	6000	**30**
30	6200	6400	6600	6800	7000	7200	7400	7600	7800	8000	**40**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

8 × 10 = 32

	1 Piece Feet.	2 Pieces Feet.	3 Pieces Feet.	4 Pieces Feet.	5 Pieces Feet.	6 Pieces Feet.	7 Pieces Feet.	8 Pieces Feet.	9 Pieces Feet.	10 Pieces Feet.	
	213⅓	426⅔	640	853⅓	1066⅔	1280	1493⅓	1706⅔	1920	2133⅓	10
0	2346⅔	2560	2773⅓	2986⅔	3200	3413⅓	3626⅔	3840	4053⅓	4266⅔	20
0	4480	4693⅓	4906⅔	5120	5333⅓	5546⅔	5760	5973⅓	6186⅔	6400	30
0	6613⅓	6826⅔	7040	7253⅓	7466⅔	7680	7893⅓	8106⅔	8320	8533⅓	40

8 × 10 = 34

	226⅔	453⅓	680	906⅔	1133⅓	1360	1586⅔	1813⅓	2040	2266⅔	10
0	2493⅓	2720	2946⅔	3173⅓	3400	3626⅔	3853⅓	4080	4306⅔	4533⅓	20
0	4760	4986⅔	5213⅓	5440	5666⅔	5893⅓	6120	6346⅔	6573⅓	6800	30
0	7026⅔	7253⅓	7480	7706⅔	7933⅓	8160	8386⅔	8613⅓	8840	9066⅔	40

8 × 10 = 36

	240	480	720	960	1200	1440	1680	1920	2160	2400	10
0	2640	2880	3120	3360	3600	3840	4080	4320	4560	4800	20
0	5040	5280	5520	5760	6000	6240	6480	6720	6960	7200	30
0	7440	7680	7920	8160	8400	8640	8880	9120	9360	9600	40

8 × 10 = 38

	253⅓	506⅔	760	1013⅓	1266⅔	1520	1773⅓	2026⅔	2280	2533⅓	10
0	2786⅔	3040	3293⅓	3546⅔	3800	4053⅓	4306⅔	4560	4813⅓	5066⅔	20
0	5320	5573⅓	5826⅔	6080	6333⅓	6586⅔	6840	7093⅓	7346⅔	7600	30
0	7853⅓	8106⅔	8360	8613⅓	8866⅔	9120	9373⅓	9626⅔	9880	10133⅓	40

8 × 10 = 40

	266⅔	533⅓	800	1066⅔	1333⅓	1600	1866⅔	2133⅓	2400	2666⅔	10
0	2933⅓	3200	3466⅔	3733⅓	4000	4266⅔	4533⅓	4800	5066⅔	5333⅓	20
0	5600	5866⅔	6133⅓	6400	6666⅔	6933⅓	7200	7466⅔	7733⅓	8000	30
0	8266⅔	8533⅓	8800	9066⅔	9333⅓	9600	9866⅔	10133⅓	10400	10666⅔	40

10 × 10 = 12

	100	200	300	400	500	600	700	800	900	1000	10
0	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	20
0	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	30
0	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000	40
0	4100	4200	4300	4400	4500	4600	4700	4800	4900	5000	50

10 × 10 = 14

	116⅔	233⅓	350	466⅔	583⅓	700	816⅔	933⅓	1050	1166⅔	10
0	1283⅓	1400	1516⅔	1633⅓	1750	1866⅔	1983⅓	2100	2216⅔	2333⅓	20
0	2450	2566⅔	2683⅓	2800	2916⅔	3033⅓	3150	3266⅔	3383⅓	3500	30
0	3616⅔	3733⅓	3850	3966⅔	4083⅓	4200	4316⅔	4433⅓	4550	4666⅔	40
0	4783⅓	4900	5016⅔	5133⅓	5250	5366⅔	5483⅓	5600	5716⅔	5833⅓	50

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

10×10=16

	1 Piece Feet.	2 Pieces Feet.	3 Pieces Feet.	4 Pieces Feet.	5 Pieces Feet.	6 Pieces Feet.	7 Pieces Feet.	8 Pieces Feet.	9 Pieces Feet.	10 Pieces Feet.	
	133⅓	266⅔	400	533⅓	666⅔	800	933⅓	1066⅔	1200	1333⅓	1
10	1466⅔	1600	1733⅓	1866⅔	2000	2133⅓	2266⅔	2400	2533⅓	2666⅔	2
20	2800	2933⅓	3066⅔	3200	3333⅓	3466⅔	3600	3733⅓	3866⅔	4000	3
30	4133⅓	4266⅔	4400	4533⅓	4666⅔	4800	4933⅓	5066⅔	5200	5333⅓	4
40	5466⅔	5600	5733⅓	5866⅔	6000	6133⅓	6266⅔	6400	6533⅓	6666⅔	5

10×10=18

	150	300	450	600	750	900	1050	1200	1350	1500	1
10	1650	1800	1950	2100	2250	2400	2550	2700	2850	3000	2
20	3150	3300	3450	3600	3750	3900	4050	4200	4350	4500	3
30	4650	4800	4950	5100	5250	5400	5550	5700	5850	6000	4
40	6150	6300	6450	6600	6750	6900	7050	7200	7350	7500	5

10×10=20

	166⅔	333⅓	500	666⅔	833⅓	1000	1166⅔	1333⅓	1500	1666⅔	1
10	1833⅓	2000	2166⅔	2333⅓	2500	2666⅔	2833⅓	3000	3166⅔	3333⅓	2
20	3500	3666⅔	3833⅓	4000	4166⅔	4333⅓	4500	4666⅔	4833⅓	5000	3
30	5166⅔	5333⅓	5500	5666⅔	5833⅓	6000	6166⅔	6333⅓	6500	6666⅔	4
40	6833⅓	7000	7166⅔	7333⅓	7500	7666⅔	7833⅓	8000	8166⅔	8333⅓	5

10×10=22

	183⅓	366⅔	550	733⅓	916⅔	1100	1283⅓	1466⅔	1650	1833⅓	1
10	2016⅔	2200	2383⅓	2566⅔	2750	2933⅓	3116⅔	3300	3483⅓	3666⅔	2
20	3850	4033⅓	4216⅔	4400	4583⅓	4766⅔	4950	5133⅓	5316⅔	5500	3
30	5683⅓	5866⅔	6050	6233⅓	6416⅔	6600	6783⅓	6966⅔	7150	7333⅓	4
40	7516⅔	7700	7883⅓	8066⅔	8250	8433⅓	8616⅔	8800	8983⅓	9166⅔	5

10×10=24

	200	400	600	800	1000	1200	1400	1600	1800	2000	1
10	2200	2400	2600	2800	3000	3200	3400	3600	3800	4000	2
20	4200	4400	4600	4800	5000	5200	5400	5600	5800	6000	3
30	6200	6400	6600	6800	7000	7200	7400	7600	7800	8000	4
40	8200	8400	8600	8800	9000	9200	9400	9600	9800	10000	5

10×10=26

	216⅔	433⅓	650	866⅔	1083⅓	1300	1516⅔	1733⅓	1950	2166⅔	1
10	2383⅓	2600	2816⅔	3033⅓	3250	3466⅔	3683⅓	3900	4116⅔	4333⅓	2
20	4550	4766⅔	4983⅓	5200	5416⅔	5633⅓	5850	6066⅔	6283⅓	6500	3
30	6716⅔	6933⅓	7150	7366⅔	7583⅓	7800	8016⅔	8233⅓	8450	8666⅔	4

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

10 × 10 = 28

	1 Piece.	**2** Pieces.	**3** Pieces.	**4** Pieces	**5** Pieces.	**6** Pieces	**7** Pieces.	**8** Pieces.	**9** Pieces.	**10** Pieces.	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	233⅓	466⅔	700	933⅓	1166⅔	1400	1633⅓	1866⅔	2100	2333⅓	**10**
10	2566⅔	2800	3033⅓	3266⅔	3500	3733⅓	3966⅔	4200	4433⅓	4666⅔	**20**
20	4900	5133⅓	5366⅔	5600	5833⅓	6066⅔	6300	6533⅓	6766⅔	7000	**30**
30	7233⅓	7466⅔	7700	7933⅓	8166⅔	8400	8633⅓	8866⅔	9100	9333⅓	**40**

10 × 10 = 30

	250	500	750	1000	1250	1500	1750	2000	2250	2500	**10**
10	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	**20**
20	5250	5500	5750	6000	6250	6500	6750	7000	7250	7500	**30**
30	7750	8000	8250	8500	8750	9000	9250	9500	9750	10000	**40**

10 × 10 = 32

	266⅔	533⅓	800	1066⅔	1333⅓	1600	1866⅔	2133⅓	2400	2666⅔	**10**
10	2933⅓	3200	3466⅔	3733⅓	4000	4266⅔	4533⅓	4800	5066⅔	5333⅓	**20**
20	5600	5866⅔	6133⅓	6400	6666⅔	6933⅓	7200	7466⅔	7733⅓	8000	**30**
30	8266⅔	8533⅓	8800	9066⅔	9333⅓	9600	9866⅔	10133⅓	10400	10666⅔	**40**

10 × 10 = 34

	283⅓	566⅔	850	1133⅓	1416⅔	1700	1983⅓	2266⅔	2550	2833⅓	**10**
10	3116⅔	3400	3683⅓	3966⅔	4250	4533⅓	4816⅔	5100	5383⅓	5666⅔	**20**
20	5950	6233⅓	6516⅔	6800	7083⅓	7366⅔	7650	7933⅓	8216⅔	8500	**30**
30	8783⅓	9066⅔	9350	9633⅓	9916⅔	10200	10483⅓	10766⅔	11050	11333⅓	**40**

10 × 10 = 36

	300	600	900	1200	1500	1800	2100	2400	2700	3000	**10**
10	3300	3600	3900	4200	4500	4800	5100	5400	5700	6000	**20**
20	6300	6600	6900	7200	7500	7800	8100	8400	8700	9000	**30**
30	9300	9600	9900	10200	10500	10800	11100	11400	11700	12000	**40**

10 × 10 = 38

	316⅔	633⅓	950	1266⅔	1583⅓	1900	2216⅔	2533⅓	2850	3166⅔	**10**
10	3483⅓	3800	4116⅔	4433⅓	4750	5066⅔	5383⅓	5700	6016⅔	6333⅓	**20**
20	6650	6966⅔	7283⅓	7600	7916⅔	8233⅓	8550	8866⅔	9183⅓	9500	**30**
30	9816⅔	10133⅓	10450	10766⅔	11083⅓	11400	11716⅔	12033⅓	12350	12666⅔	**40**

10 × 10 = 40

	333⅓	666⅔	1000	1333⅓	1666⅔	2000	2333⅓	2666⅔	3000	3333⅓	**10**
10	3666⅔	4000	4333⅓	4666⅔	5000	5333⅓	5666⅔	6000	6333⅓	6666⅔	**20**
20	7000	7333⅓	7666⅔	8000	8333⅓	8666⅔	9000	9333⅓	9666⅔	10000	**30**
30	10333⅓	10666⅔	11000	11333⅓	11666⅔	12000	12333⅓	12666⅔	13000	13333⅓	**40**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

10 x 12 8 x 15 = 12

	1 Piece Feet.	2 Pieces Feet.	3 Pieces Feet.	4 Pieces Feet.	5 Pieces Feet.	6 Pieces Feet.	7 Pieces Feet.	8 Pieces Feet.	9 Pieces Feet.	10 Pieces Feet.	
	120	240	360	480	600	720	840	960	1080	1200	**10**
10	1320	1440	1560	1680	1800	1920	2040	2160	2280	2400	**20**
20	2520	2640	2760	2880	3000	3120	3240	3360	3480	3600	**30**
30	3720	3840	3960	4080	4200	4320	4440	4560	4680	4800	**40**
40	4920	5040	5160	5280	5400	5520	5640	5760	5880	6000	**50**

10 × 12 = 14

	140	280	420	560	700	840	980	1120	1260	1400	**10**
10	1540	1680	1820	1960	2100	2240	2380	2520	2660	2800	**20**
20	2940	3080	3220	3360	3500	3640	3780	3920	4060	4200	**30**
30	4340	4480	4620	4760	4900	5040	5180	5320	5460	5600	**40**
40	5740	5880	6020	6160	6300	6440	6580	6720	6860	7000	**50**

10 × 12 = 16

	160	320	480	640	800	960	1120	1280	1440	1600	**10**
10	1760	1920	2080	2240	2400	2560	2720	2880	3040	3200	**20**
20	3360	3520	3680	3840	4000	4160	4320	4480	4640	4800	**30**
30	4960	5120	5280	5440	5600	5760	5920	6080	6240	6400	**40**
40	6560	6720	6880	7040	7200	7360	7520	7680	7840	8000	**50**

10 × 12 = 18

	180	360	540	720	900	1080	1260	1440	1620	1800	**10**
10	1980	2160	2340	2520	2700	2880	3060	3240	3420	3600	**20**
20	3780	3960	4140	4320	4500	4680	4860	5040	5220	5400	**30**
30	5580	5760	5940	6120	6300	6480	6660	6840	7020	7200	**40**
40	7380	7560	7740	7920	8100	8280	8460	8640	8820	9000	**50**

10 × 12 = 20

	200	400	600	800	1000	1200	1400	1600	1800	2000	**10**
10	2200	2400	2600	2800	3000	3200	3400	3600	3800	4000	**20**
20	4200	4400	4600	4800	5000	5200	5400	5600	5800	6000	**30**
30	6200	6400	6600	6800	7000	7200	7400	7600	7800	8000	**40**
40	8200	8400	8600	8800	9000	9200	9400	9600	9800	10000	**50**

10 × 12 = 22

	220	440	660	880	1100	1320	1540	1760	1980	2200	**10**
10	2420	2640	2860	3080	3300	3520	3740	3960	4180	4400	**20**
20	4620	4840	5060	5280	5500	5720	5940	6160	6380	6600	**30**
30	6820	7040	7260	7480	7700	7920	8140	8360	8580	8800	**40**
40	9020	9240	9460	9680	9900	10120	10340	10560	10780	11000	**50**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

$\substack{10 \times 12 \\ 8 \times 15} = 24$

	1 Piece Feet.	2 Pieces Feet.	3 Pieces Feet.	4 Pieces Feet.	5 Pieces Feet.	6 Pieces Feet.	7 Pieces Feet.	8 Pieces Feet.	9 Pieces Feet.	10 Pieces Feet.	
	240	480	720	960	1200	1440	1680	1920	2160	2400	**10**
10	2640	2880	3120	3360	3600	3840	4080	4320	4560	4800	**20**
20	5040	5280	5520	5760	6000	6240	6480	6720	6960	7200	**30**
30	7440	7680	7920	8160	8400	8640	8880	9120	9360	9600	**40**
40	9840	10080	10320	10560	10800	11040	11280	11520	11760	12000	**50**

10 × 12 = 26

	260	520	780	1040	1300	1560	1820	2080	2340	2600	**10**
10	2860	3120	3380	3640	3900	4160	4420	4680	4940	5200	**20**
20	5460	5720	5980	6240	6500	6760	7020	7280	7540	7800	**30**
30	8060	8320	8580	8840	9100	9360	9620	9880	10140	10400	**40**

10 × 12 = 28

	280	560	840	1120	1400	1680	1960	2240	2520	2800	**10**
10	3080	3360	3640	3920	4200	4480	4760	5040	5320	5600	**20**
20	5880	6160	6440	6720	7000	7280	7560	7840	8120	8400	**30**
30	8680	8960	9240	9520	9800	10080	10360	10640	10920	11200	**40**

10 × 12 = 30

	300	600	900	1200	1500	1800	2100	2400	2700	3000	**10**
10	3300	3600	3900	4200	4500	4800	5100	5400	5700	6000	**20**
20	6300	6600	6900	7200	7500	7800	8100	8400	8700	9000	**30**
30	9300	9600	9900	10200	10500	10800	11100	11400	11700	12000	**40**

10 × 12 = 32

	320	640	960	1280	1600	1920	2240	2560	2880	3200	**10**
10	3520	3840	4160	4480	4800	5120	5440	5760	6080	6400	**20**
20	6720	7040	7360	7680	8000	8320	8640	8960	9280	9600	**30**
30	9920	10240	10560	10880	11200	11520	11840	12160	12480	12800	**40**

10 × 12 = 34

	340	680	1020	1360	1700	2040	2380	2720	3060	3400	**10**
10	3740	4080	4420	4760	5100	5440	5780	6120	6460	6800	**20**
20	7140	7480	7820	8160	8500	8840	9180	9520	9860	10200	**30**
30	10540	10880	11220	11560	11900	12240	12580	12920	13260	13600	**40**

10 × 12 = 36

	360	720	1080	1440	1800	2160	2520	2880	3240	3600	**10**
10	3960	4320	4680	5040	5400	5760	6120	6480	6840	7200	**20**
20	7560	7920	8280	8640	9000	9360	9720	10080	10440	10800	**30**
30	11160	11520	11880	12240	12600	12960	13320	13680	14040	14400	**40**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

$\substack{10 \times 12 \\ 8 \times 15} = 38$

	1 Piece Feet.	2 Pieces Feet.	3 Pieces Feet.	4 Pieces Feet.	5 Pieces Feet.	6 Pieces Feet.	7 Pieces Feet.	8 Pieces Feet.	9 Pieces Feet.	10 Pieces Feet.	
	380	760	1140	1520	1900	2280	2660	3040	3420	3800	**10**
10	4180	4560	4940	5320	5700	6080	6460	6840	7220	7600	**20**
20	7980	8360	8740	9120	9500	9880	10260	10640	11020	11400	**30**
30	11780	12160	12540	12920	13300	13680	14060	14440	14820	15200	**40**

10 × 12 = 40

	400	800	1200	1600	2000	2400	2800	3200	3600	4000	**10**
10	4400	4800	5200	5600	6000	6400	6800	7200	7600	8000	**20**
20	8400	8800	9200	9600	10000	10400	10800	11200	11600	12000	**30**
30	12400	12800	13200	13600	14000	14400	14800	15200	15600	16000	**40**

$\substack{12 \times 12 \\ 9 \times 16} = 12$

	144	288	432	576	720	864	1008	1152	1296	1440	**10**
10	1584	1728	1872	2016	2160	2304	2448	2592	2736	2880	**20**
20	3024	3168	3312	3456	3600	3744	3888	4032	4176	4320	**30**
30	4464	4608	4752	4896	5040	5184	5328	5472	5616	5760	**40**
40	5904	6048	6192	6336	6480	6624	6768	6912	7056	7200	**50**

12 × 12 = 14

	168	336	504	672	840	1008	1176	1344	1512	1680	**10**
10	1848	2016	2184	2352	2520	2688	2856	3024	3192	3360	**20**
20	3528	3696	3864	4032	4200	4368	4536	4704	4872	5040	**30**
30	5208	5376	5544	5712	5880	6048	6216	6384	6552	6720	**40**
40	6888	7056	7224	7392	7560	7728	7896	8064	8232	8400	**50**

12 × 12 = 16

	192	384	576	768	960	1152	1344	1536	1728	1920	**10**
10	2112	2304	2496	2688	2880	3072	3264	3456	3648	3840	**20**
20	4032	4224	4416	4608	4800	4992	5184	5376	5568	5760	**30**
30	5952	6144	6336	6528	6720	6912	7104	7296	7488	7680	**40**
40	7872	8064	8256	8448	8640	8832	9024	9216	9408	9600	**50**

12 × 12 = 18

	216	432	648	864	1080	1296	1512	1728	1944	2160	**10**
10	2376	2592	2808	3024	3240	3456	3672	3888	4104	4320	**20**
20	4536	4752	4968	5184	5400	5616	5832	6048	6264	6480	**30**
30	6696	6912	7128	7344	7560	7776	7992	8208	8424	8640	**40**
40	*8856*	*9072*	*9288*	9504	9720	9936	10152	10368	10584	10800	**50**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

$\genfrac{}{}{0pt}{}{12 \times 12}{9 \times 16} = 20$

	1 Piece Feet.	2 Pieces Feet.	3 Pieces Feet.	4 Pieces Feet.	5 Pieces Feet.	6 Pieces Feet.	7 Pieces Feet.	8 Pieces Feet.	9 Pieces Feet.	10 Pieces Feet.	
	240	480	720	960	1200	1440	1680	1920	2160	2400	**10**
10	2640	2880	3120	3360	3600	3840	4080	4320	4560	4800	**20**
20	5040	5280	5520	5760	6000	6240	6480	6720	6960	7200	**30**
30	7440	7680	7920	8160	8400	8640	8880	9120	9360	9600	**40**
40	9840	10080	10320	10560	10800	11040	11280	11520	11760	12000	**50**

12 × 12 = 22

	264	528	792	1056	1320	1584	1848	2112	2376	2640	**10**
10	2904	3168	3432	3696	3960	4224	4488	4752	5016	5280	**20**
20	5544	5808	6072	6336	6600	6864	7128	7392	7656	7920	**30**
30	8184	8448	8712	8976	9240	9504	9768	10032	10296	10560	**40**
40	10824	11088	11352	11616	11880	12144	12408	12672	12936	13200	**50**

12 × 12 = 24

	288	576	864	1152	1440	1728	2016	2304	2592	2880	**10**
10	3168	3456	3744	4032	4320	4608	4896	5184	5472	5760	**20**
20	6048	6336	6624	6912	7200	7488	7776	8064	8352	8640	**30**
30	8928	9216	9504	9792	10080	10368	10656	10944	11232	11520	**40**
40	11808	12096	12384	12672	12960	13248	13536	13824	14112	14400	**50**

12 × 12 = 26

	312	624	936	1248	1560	1872	2184	2496	2808	3120	**10**
10	3432	3744	4056	4368	4680	4992	5304	5616	5928	6240	**20**
20	6552	6864	7176	7488	7800	8112	8424	8736	9048	9360	**30**
30	9672	9984	10296	10608	10920	11232	11544	11856	12168	12480	**40**

12 × 12 = 28

	336	672	1008	1344	1680	2016	2352	2688	3024	3360	**10**
10	3696	4032	4368	4704	5040	5376	5712	6048	6384	6720	**20**
20	7056	7392	7728	8064	8400	8736	9072	9408	9744	10080	**30**
30	10416	10752	11088	11424	11760	12096	12432	12768	13104	13440	**40**

12 × 12 = 30

	360	720	1080	1440	1800	2160	2520	2880	3240	3600	**10**
10	3960	4320	4680	5040	5400	5760	6120	6480	6840	7200	**20**
20	7560	7920	8280	8640	9000	9360	9720	10080	10440	10800	**30**
30	11160	11520	11880	12240	12600	12960	13320	13680	14040	14400	**40**

12 × 12 = 32

	384	768	1152	1536	1920	2304	2688	3072	3456	3840	**10**
10	4224	4608	4992	5376	5760	6144	6528	6912	7296	7680	**20**
20	8064	8448	8832	9216	9600	9984	10368	10752	11136	11520	**30**
30	11904	12288	12672	13056	13440	13824	14208	14592	14976	15360	**40**

For greater number of pieces than shown above, see explanations on pages 2, 3 and 4.

$\substack{12 \times 12 \\ 9 \times 16} = 34$

	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces	
	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	Feet.	
	408	816	1224	1632	2040	2448	2856	3264	3672	4080	**10**
10	4488	4896	5304	5712	6120	6528	6936	7344	7752	8160	**20**
20	8568	8976	9384	9792	10200	10608	11016	11424	11832	12240	**30**
30	12648	13056	13464	13872	14280	14688	15096	15504	15912	16320	**40**

12 × 12 = 36

	432	864	1296	1728	2160	2592	3024	3456	3888	4320	**10**
10	4752	5184	5616	6048	6480	6912	7344	7776	8208	8640	**20**
20	9072	9504	9936	10368	10800	11232	11664	12096	12528	12960	**30**
30	13392	13824	14256	14688	15120	15552	15984	16416	16848	17280	**40**

12 × 12 = 38

	456	912	1368	1824	2280	2736	3192	3648	4104	4560	**10**
10	5016	5472	5928	6384	6840	7296	7752	8208	8664	9120	**20**
20	9576	10032	10488	10944	11400	11856	12312	12768	13224	13680	**30**
30	14136	14592	15048	15504	15960	16416	16872	17328	17784	18240	**40**

12 × 12 = 40

	480	960	1440	1920	2400	2880	3360	3840	4320	4800	**10**
10	5280	5760	6240	6720	7200	7680	8160	8640	9120	9600	**20**
20	10080	10560	11040	11520	12000	12480	12960	13440	13920	14400	**30**
30	14880	15360	15840	16320	16800	17280	17760	18240	18720	19200	**40**

To Use Lumber Tables for Cost Tables, Etc.

EXAMPLE: Suppose you wish to find cost of 212 articles at price of 6⅔ cents each; see index for cost, page 290, and we find table for 6⅔ given on page 20; turn to page 20, run down left hand margin to 210, then two to right for 212 and we find $14.13⅓, the correct answer.

NOTE: In using the Lumber tables for Cost, we use the decimal point for dollars and cents. Example: Suppose you wish to find the cost of 23 articles at cost of $1.33⅓ each. See index for cost, page 291, we find table given for 133⅓ on page 116 and 23 articles at 133⅓ would be $30.66⅔. If 230, drop fraction ⅔ and annex 6⅔ and remove point one place to right and we have $306.66⅔, the correct answer. See other explanations pages 2, 3, 201 and 222.

7 × 9 = 8 to 24.

Size	Length	1 Piece	2 Pieces	3 Pieces	4 Pieces	5 Pieces	6 Pieces	7 Pieces	8 Pieces	9 Pieces	10 Pieces
7x 9=	8ft.	42	84	126	168	210	252	294	336	378	420
"	9 "	47¼	94½	141¾	189	236¼	283½	330¾	378	425¼	472½
"	10 "	52½	105	157½	210	262½	315	377½	420	472½	525
"	11 "	57¾	115½	173¼	231	288¾	346½	404¼	462	519¾	577½
"	12 "	63	126	189	252	315	378	441	504	567	630
"	13 "	68¼	136½	204¾	273	341¼	409½	477¾	546	614¼	682½
"	14 "	73½	147	220½	294	367½	441	514½	588	661½	735
"	15 "	78¾	157½	236¼	315	393¾	472½	551¼	630	708¾	787½
"	16 "	84	168	252	336	420	504	588	672	756	840
"	17 "	89¼	178½	267¾	357	446¼	535½	624¾	714	803¼	892½
"	18 "	94½	189	283½	378	472½	567	661½	756	850½	945
"	19 "	99¾	199½	299¼	399	498¾	598½	698¼	798	897¾	997½
"	20 "	105	210	315	420	525	630	735	840	945	1050
"	21 "	110¼	220½	330¾	441	551¼	661½	771¾	882	992¼	1102½
"	22 "	115½	231	346½	462	577½	693	808½	924	1039½	1155
"	23 "	120¾	241½	362¼	483	603¾	724½	845¼	966	1086¾	1207½
"	24 "	126	252	378	504	630	756	882	1008	1134	1260

7 × 10 = 8 to 24.

7x10=	8ft.	46⅔	93⅓	140	186⅔	233⅓	280	326⅔	373⅓	420	466⅔
"	9 "	52½	105	157½	210	262½	315	367½	420	472½	525
"	10 "	58⅓	116⅔	175	233⅓	291⅔	350	408⅓	466⅔	525	583⅓
"	11 "	64⅙	128⅓	192½	256⅔	320⅚	385	449⅙	513⅓	577½	641⅔
"	12 "	70	140	210	280	350	420	490	560	630	700
"	13 "	75⅚	151⅔	227½	303⅓	379⅙	455	530⅚	606⅔	682½	758⅓
"	14 "	81⅔	163⅓	245	326⅔	408⅓	490	571⅔	653⅓	735	816⅔
"	15 "	87½	175	262½	350	437½	525	612½	700	787½	875
"	16 "	93⅓	186⅔	280	373⅓	466⅔	560	653⅓	746⅔	840	933⅓
"	17 "	99⅙	198⅓	297½	396⅔	495⅚	595	694⅙	793⅓	892½	991⅔
"	18 "	105	210	315	420	525	630	735	840	945	1050
"	19 "	110⅚	221⅔	332½	443⅓	554⅙	665	775⅚	886⅔	997½	1108⅓
"	20 "	116⅔	233⅓	350	466⅔	583⅓	700	816⅔	933⅓	1050	1166⅔
"	21 "	122½	245	367½	490	612½	735	857½	980	1102½	1225
"	22 "	128⅓	256⅔	385	513⅓	641⅔	770	898⅓	1026⅔	1155	1283⅓
"	23 "	134⅙	268⅓	402½	536⅔	670⅚	805	939⅙	1073⅓	1207½	1341⅔
"	24 "	140	280	420	560	700	840	980	1120	1260	1400

Explanations for above tables. Having been requested to add the above tables by a number of persons dealing in switch ties, we give a few examples. (See also page 2.) Suppose you wish to find the number of feet in 100 pieces 7 x 10 = 11 ft. First find number of feet in 10 pieces, which is 641⅔, for 100 pieces drop fraction ⅔ and add 6⅔. 6416⅔ feet the number feet in 100 pieces. 55 pieces 7 x 9 = 13. First find number of feet in 5 pieces (see table above). 5 pieces 341¼ feet, for 50 pieces drop fraction ¼ and add 2½ and you have 3412½ feet, add the number of feet given above for 5 pieces...................... 341¼

3753¾

feet, the correct answer for 55 pieces.

To find number of feet in greater number of pieces than shown in tables:

***To the lower corresponding number or multiple* annex one or more ciphers, *if there is no fraction; for the fraction* ⅙, drop the fraction and annex 1⅔; for ⅚, *annex 8⅓, dropping fraction as before;* for ½, annex 5; for ⅓, annex 3⅓; *for ⅔, annex 6⅔; for ¼, annex 2½; for* ¾, annex 7½.**

To Compute without the Fraction ⅓.

	1	2	3	4	5	6	7	8	9	10	
	⅓	⅔	1	1⅓	1⅔	2	2⅓	2⅔	3	3⅓	**10**
10	3⅔	4	4⅓	4⅔	5	5⅓	5⅔	6	6⅓	6⅔	**20**
20	7	7⅓	7⅔	8	8⅓	8⅔	9	9⅓	9⅔	10	**30**
30	10⅓	10⅔	11	11⅓	11⅔	12	12⅓	12⅔	13	13⅓	**40**
40	13⅔	14	14⅓	14⅔	15	15⅓	15⅔	16	16⅓	16⅔	**50**
50	17	17⅓	17⅔	18	18⅓	18⅔	19	19⅓	19⅔	20	**60**
60	20⅓	20⅔	21	21⅓	21⅔	22	22⅓	22⅔	23	23⅓	**70**
70	23⅔	24	24⅓	24⅔	25	25⅓	25⅔	26	26⅓	26⅔	**80**
80	27	27⅓	27⅔	28	28⅓	28⅔	29	29⅓	29⅔	30	**90**
90	30⅓	30⅔	31	31⅓	31⅔	32	32⅓	32⅔	33	33⅓	**100**
100	33⅔	34	34⅓	34⅔	35	35⅓	35⅔	36	36⅓	36⅔	**110**
110	37	37⅓	37⅔	38	38⅓	38⅔	39	39⅓	39⅔	40	**120**
120	40⅓	40⅔	41	41⅓	41⅔	42	42⅓	42⅔	43	43⅓	**130**
130	43⅔	44	44⅓	44⅔	45	45⅓	45⅔	46	46⅓	46⅔	**140**
140	47	47⅓	47⅔	48	48⅓	48⅔	49	49⅓	49⅔	50	**150**
150	50⅓	50⅔	51	51⅓	51⅔	52	52⅓	52⅔	53	53⅓	**160**
160	53⅔	54	54⅓	54⅔	55	55⅓	55⅔	56	56⅓	56⅔	**170**
170	57	57⅓	57⅔	58	58⅓	58⅔	59	59⅓	59⅔	60	**180**
180	60⅓	60⅔	61	61⅓	61⅔	62	62⅓	62⅔	63	63⅓	**190**
190	63⅔	64	64⅓	64⅔	65	65⅓	65⅔	66	66⅓	66⅔	**200**
200	67	67⅓	67⅔	68	68⅓	68⅔	69	69⅓	69⅔	70	**210**
210	70⅓	70⅔	71	71⅓	71⅔	72	72⅓	72⅔	73	73⅓	**220**
220	73⅔	74	74⅓	74⅔	75	75⅓	75⅔	76	76⅓	76⅔	**230**
230	77	77⅓	77⅔	78	78⅓	78⅔	79	79⅓	79⅔	80	**240**
240	80⅓	80⅔	81	81⅓	81⅔	82	82⅓	82⅔	83	83⅓	**250**
250	83⅔	84	84⅓	84⅔	85	85⅓	85⅔	86	86⅓	86⅔	**260**
260	87	87⅓	87⅔	88	88⅓	88⅔	89	89⅓	89⅔	90	**270**
270	90⅓	90⅔	91	91⅓	91⅔	92	92⅓	92⅔	93	93⅓	**280**
280	93⅔	94	94⅓	94⅔	95	95⅓	95⅔	96	96⅓	96⅔	**290**
290	97	97⅓	97⅔	98	98⅓	98⅔	99	99⅓	99⅔	100	**300**
300	100⅓	100⅔	101	101⅓	101⅔	102	102⅓	102⅔	103	103⅓	**310**
310	103⅔	104	104⅓	104⅔	105	105⅓	105⅔	106	106⅓	106⅔	**320**
320	107	107⅓	107⅔	108	108⅓	108⅔	109	109⅓	109⅔	110	**330**
330	110⅓	110⅔	111	111⅓	111⅔	112	112⅓	112⅔	113	113⅓	**340**
340	113⅔	114	114⅓	114⅔	115	115⅓	115⅔	116	116⅓	116⅔	**350**
350	117	117⅓	117⅔	118	118⅓	118⅔	119	119⅓	119⅔	120	**360**
360	120⅓	120⅔	121	121⅓	121⅔	122	122⅓	122⅔	123	123⅓	**370**
370	123⅔	124	124⅓	124⅔	125	125⅓	125⅔	126	126⅓	126⅔	**380**
380	127	127⅓	127⅔	128	128⅓	128⅔	129	129⅓	129⅔	130	**390**
390	130⅓	130⅔	131	131⅓	131⅔	132	132⅓	132⅔	133	133⅓	**400**
400	133⅔	134	134⅓	134⅔	135	135⅓	135⅔	136	136⅓	136⅔	**410**
410	137	137⅓	137⅔	138	138⅓	138⅔	139	139⅓	139⅔	140	**420**
420	140⅓	140⅔	141	141⅓	141⅔	142	142⅓	142⅔	143	143⅓	**430**
430	143⅔	144	144⅓	144⅔	145	145⅓	145⅔	146	146⅓	146⅔	**440**
440	147	147⅓	147⅔	148	148⅓	148⅔	149	149⅓	149⅔	150	**450**
450	150⅓	150⅔	151	151⅓	151⅔	152	152⅓	152⅔	153	153⅓	**460**
460	153⅔	154	154⅓	154⅔	155	155⅓	155⅔	156	156⅓	156⅔	**470**
470	157	157⅓	157⅔	158	158⅓	158⅔	159	159⅓	159⅔	160	**480**
480	160⅓	160⅔	161	161⅓	161⅔	162	162⅓	162⅔	163	163⅓	**490**
490	163⅔	164	164⅓	164⅔	165	165⅓	165⅔	166	166⅓	166⅔	**500**

Rule—Where the fraction is ⅓ **deduct one-third as many feet as pieces.** *If* ⅔ *add one-third* **as many** *feet* **as pieces.** *See page 139 for further* **explanations.**

EXPLANATIONS FOR ALL SIZES.

Pages from 123 to 200 have nearly nine thousand sizes, tables for which are given in Buyer and Seller, in many instances one table answering for a great number of different sizes. First, pages 126 to 131 gives 1¼, 1½ and 1¾ thick and from 1 to 36 inches wide, and where tables are given in Buyer and Seller the page index is given. Pages 132 to 158 give all sizes in general use from 2x2 to 30x30 inches with page index where tables are given, in Buyer and Seller many sizes not given, can be readily found by taking ¾ or ½ or ¼, etc., etc., of the sizes or number of pieces given. Pages 159 to 200 give 8,000 sizes running from 1 to 50 feet in length. In first column the size is given, second column the number of feet contained in that size, the next column the number of page on which is given the table that has same number of feet in piece lengths are given at top margins. Example: Suppose you wish to find the number of feet in 33 pieces 1¼x17=16, see next page (126) column for 16 feet gives 28⅓ feet for one piece 1¼x17=16 and in page column we find 71 given, on which page we find table for 28⅓; turn to page 71 and we find that one piece 1¼x17=16 contains same number of feet as one piece $\frac{1x17}{2x\ 8\frac{1}{2}}$=20, and that 33 pieces contain 935 feet, the correct number of feet in 33 pieces 1¼x17=16. For 72 pieces 1½x21=12, see page 128, size 1½x21=12 contains 31½ and page 86 is given for table of 31½ feet. Turn to page 86 and we find that table for $\frac{1x21}{2x10\frac{1}{2}}$=18, has same number of feet and 72 pieces contain 2268 feet. For 85 pieces 1¾x14=16 see page 130, one piece contains 32⅔ feet and page 99 has table for 32⅔; turn to page 99, see table $\frac{2x14}{4x\ 7}$=14, and we find for 85 pieces 2776⅔ feet is given, the correct answer for 85 pieces 1¾x14=16.

For 38 pieces 5x10=28, see page 139 for 1 piece 116⅔ feet is given and page 115. See page 115, table for 10x10=14 feet and we find that 38 pieces 5x10=28 would contain 4433⅓ feet. If we should want to find for 380 pieces, drop fraction ⅓ and add 1⅓ and we have 44333⅓ feet; if for 383 pieces add the number of feet given for 3 350

44683⅓ feet in 383 pieces.

For 980 pieces 2x8¾=16 feet see page 186; column for 2 inches we find 1 piece contains 23⅓ feet and page 78 for table of that number of feet. Turn to page 78; first find number of feet in 98 pieces which is 2286⅔ feet; for 980 drop fraction ⅔ and add 6⅔ and we have 22866⅔ feet, the correct number of feet in 980 pieces 2x8¾=16 feet.

To find number of feet in greater number of pieces than shown in tables:

To the lower corresponding number or multiple annex one or more ciphers, if there is no fraction; for the fraction ⅙, drop the fraction and annex 1⅔; for ⅚, annex 8⅓, dropping fraction as before; for ½, annex 5; for ⅓, annex 3⅓; for ⅔, annex 6⅔; for ¼, annex 2½; for ¾, annex 7½.

See further explanations on page 159 of eighth edition.

Size.	Length. 6		Length. 8		Length. 10		Length. 12		Length. 14		Length. 16		Length. 18		Length. 20	
	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
1¼x 1.	⅝		⅚		1 1/24		1¼		1 11/24		1⅔	6	1⅞		2 1/12	
" 2.	1¼		1⅔	6	2 1/12		2½	9	2 11/12		3⅓	8	3¾		4⅙	21
" 3.	1⅞		2½	9	3⅛		3¾		4⅜		5	14	5⅝		6¼	
" 4.	2½	9	3⅓	8	4⅙	21	5	14	5⅚		6⅔	20	7½		8⅓	70
" 5.	3⅛		4⅙	21	5 5/24		6¼		7 7/24		8⅓	22	9⅜		10 5/12	
" 6.	3¾		5	14	6¼		7½	22	8¾		10	28	11¼		12½	60
" 7.	4⅜		5⅚	22	7 7/24		8¾		10 5/24		11⅔	42	13⅛		14 7/12	
" 8.	5	14	6⅔	20	8⅓	22	10	28	11⅔	42	13⅓	37	15		16⅔	45
" 9.	5⅝		7½	22	9⅜		11¼		13⅛		15	44	16⅞		18¾	
" 10.	6¼		8⅓	22	10 5/12		12½	60	14 7/12		16⅔	45	18¾		20⅚	
" 11.	6⅞		9⅙	46	11 11/24		13¾		16 1/24		18⅓	47	20⅝		22 11/12	
" 12.	7½	22	10	28	12½	60	15	44	17½	61	20	53	22½		25	61
" 13.	8⅛		10⅚	56	13 13/24		16¼		18 23/24		21⅔	57	24⅜		27 1/12	
" 14.	8¾		11⅔	42	14 7/12		17½	61	20 5/12		23⅓	78	26¼		29⅙	
" 15.	9⅜		12½	60	15⅝		18¾		21⅞		25	61	28⅛		31¼	
" 16.	10	28	13⅓	37	16⅔	45	20	53	23⅓	78	26⅔	67	30	80	33⅓	81
" 17.	10⅝		14⅙	70	17 17/24		21¼		24 19/24		28⅓	71	31⅞		35 5/12	
" 18.	11¼		15	44	18¾		22½	61	26¼		30	80	33¾		37½	
" 19.	11⅞		15⅚	74	19 19/24		23¾		27 17/24		31⅔	75	35⅝		39 7/12	
" 20.	12½	60	16⅔	45	20⅚		25	61	29⅙		33⅓	81	37½		41⅔	
" 21.	13⅛		17½	61	21⅞		26¼		30⅝		35	86	39⅜		43¾	
" 22.	13¾		18⅓	47	22 11/12		27½		32 1/12		36⅔	82	41¼		45⅚	
" 23.	14⅜		19⅙	89	23 23/24		28¾		33 13/24		38⅓	90	43⅛		47 11/12	
" 24.	15	44	20	53	25	61	30	80	35	86	40	83	45	103	50	
" 25.	15⅝		20⅚		26 1/24		31¼		36 11/24		41⅔		46⅞		52 1/12	48
" 26.	16¼		21⅔	57	27 1/12		32½		37 11/12		43⅓	83	48¾		54⅙	
" 27.	16⅞		22½	61	28⅛		33¾		39⅜		45	103	50⅝		56¼	

See explanations pages 2, 3 and 125.

Size.	Length. 6		Length. 8		Length. 10		Length. 12		Length. 14		Length. 16		Length. 18		Length. 20	
	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
1¼x28	17½	61	23⅓	78	29⅙		35	86	40⅚		46⅔	84	52½	123	58⅓	101
" 29	18⅛		24⅙		30 5/24		36¼		42 7/24		48⅓		54⅜		60 5/12	
" 30	18¾		25	61	31¼		37½		43¾		50	84	56¼		62½	
" 31	19⅜		25⅚		32 7/24		38¾		45 5/24		51⅔		58⅛		64 7/12	
" 32	20	53	26⅔	67	33⅓	81	40	83	46⅔	84	53⅓		60	98	66⅔	
" 33	20⅝		27½		34⅜		41¼		48⅛		55	104	61⅞		68¾	
" 34	21¼		28⅓	71	35 5/12		42½		49 7/12		56⅔		63¾		70⅚	
" 35	21⅞		29⅙		36 11/24		43¾		51 1/24		58⅓	101	65⅝		72 11/12	
" 36	22½	61	30	80	37½		45	103	52½	123	60	98	67½		75	105

Combination of Sizes and Lengths.

The number of feet in nearly all sizes where tables are not given can be readily found by taking the next multiple of size you wish to find and then taking one-half, one-quarter, etc., etc., of the number of pieces. Example: Suppose you wish to find the number of feet in 38 pieces 1¼x6=10 feet. Table for 1¼x6=10 not given. See 1¼x6=20 12½ feet, and page 60 for table of 12½. Turn to page 60, see table for $\frac{1x15}{2x\ 7\frac{1}{2}}$=10 feet, take one-half the number of pieces you wish to find for (19), and we find 237½ feet in 38 pieces 1¼x6=10 feet. Same answer would be the result if you take half number of pieces 1¼x12=10 feet, or one-quarter number of pieces of 1¼x24=10 feet, etc., etc.

	Length. 6		Length. 8		Length. 10		Length. 12		Length. 14		Length. 16		Length. 18		Length. 20	
SIZE.	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
1½x 1	¾		1	5	1¼		1½	6	1¾		2	7	2¼		2½	9
" 2	1½	6	2	7	2½	9	3	10	3½	11	4	12	4½	13	5	14
" 3	2¼		3	10	3¾		4½	13	5¼		6	19	6¾		7½	22
" 4	3	10	4	12	5	14	6	19	7	25	8	26	9	27	10	28
" 5	3¾		5	14	6¼		7½	22	8¾		10	28	11¼		12½	60
" 6	4½	13	6	19	7½	22	9	27	10½	30	12	36	13½	39	15	44
" 7	5¼		7	25	8¾		10½	30	12¼		14	50	15¾		17½	61
" 8	6	19	8	26	10	28	12	36	14	50	16	51	18	52	20	53
" 9	6¾		9	27	11¼		13½	39	15¾		18	52	20¼		22½	61
" 10	7½	22	10	28	12½	60	15	44	17½	61	20	53	22½	61	25	61
" 11	8¼		11	46	13¾		16½	47	19¼		22	54	24¾		27½	
" 12	9	27	12	36	15	44	18	52	21	59	24	55	27	73	30	80
" 13	9¾		13	56	16¼		19½	57	22¾		26	206	29¼		32½	
" 14	10½	30	14	50	17½	61	21	59	24½	86	28	93	31½	86	35	86
" 15	11¼		15	44	18¾		22½	61	26¼		30	80	33¾		37½	
" 16	12	36	16	57	20	53	24	55	28	93	32	69	36	95	40	83
" 17	12¾		17	70	21¼		25½	71	29¾		34	208	38¼		42½	
" 18	13½	39	18	52	22½	61	27	73	31½	86	36	95	40½		45	103
" 19	14¼		19	74	23¾		28½	75	33¼		38	208	42¾		47½	
" 20	15	44	20	53	25	61	30	80	35	86	40	83	45	103	50	84
" 21	15¾		21	59	26¼		31½	86	36¾		42	99	47¼		52½	123
" 22	16½	47	22	54	27½		33	88	38½		44	96	49½		55	104
" 23	17¼		23	89	28¾		34½	90	40¼		46	216	51¾		57½	
" 24	18	52	24	55	30	80	36	95	42	99	48	97	54	106	60	98
" 25	18¾		25	61	31¼		37½		43¾		50	84	56¼		62½	
" 26	19½	57	26	206	32½		39	208	45½		52	97	58½		65	104
" 27	20¼		27	73	33¾		40½		47¼		54	106	60¾		67½	

See explanations pages 2, 3, 4 and 125.

Size.	Length. 6		Length. 8		Length. 10		Length. 12		Length. 14		Length. 16		Length. 18		Length. 20	
	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
1½x28	21	59	28	93	35	86	42	99	49	210	56	98	63	123	70	101
" 29	21¾		29	206	36¼		43½		50¾		58	212	65¼		72½	
" 30	22½	61	30	80	37½		45	103	52½	123	60	98	67½		75	105
" 31	23¼		31	208	38¾		46½		54¼		62		69¾		77½	
" 32	24	55	32	69	40	83	48	97	56	98	64		72	107	80	109
" 33	24¾		33	88	41¼		49½		57¾		66		74¼		82½	
" 34	25½	71	34	182	42½		51	212	59½		68		76½		85	218
" 35	26¼		35	86	43¾		52½	123	61¼		70	101	78¾		87½	102
" 36	27	73	36	95	45	103	54	106	63	123	72	107	81	192	90	108

To find number of feet in greater number of pieces than shown in tables:

To the lower corresponding number or multiple annex one or more ciphers, if there is no fraction; for the fraction ⅙, drop the fraction and annex 1⅔; for ⅚, annex 8⅓, dropping fraction as before; for ½, annex 5; for ⅓, annex 3⅓; for ⅔, annex 6⅔; for ¼, annex 2½; for ¾, annex 7½.

See explanations pages 125, 2 and 3.

NOTE.—For all odd sizes and lengths see pages 160 to 200. Nearly 9,000 sizes are given.

SIZE.	Length. 6		Length. 8		Length. 10		Length 12		Length. 14		Length. 16		Length. 18		Length. 20	
	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
1¾x 1	⅞		1⅙	6	1 11/24		1¾		2 1/24		2⅓	8	2⅝		2 11/12	
" 2	1¾		2⅓	8	2 11/12		3½	11	4 1/12		4⅔	17	5¼		5⅚	22
" 3	2⅝		3½	11	4⅜		5¼		6⅛		7	25	7⅞		8¾	
" 4	3½	11	4⅔	17	5⅚	22	7	25	8⅙	30	9⅓		10½	30	11⅔	42
" 5	4⅜		5⅚	22	7 7/24		8¾		10 5/24		11⅔	42	13⅛		14 7/12	
" 6	5¼		7	25	8¾		10½	30	12¼		14	50	15¾		17½	61
" 7	6⅛		8⅙	30	10 5/24		12¼		14 7/24		16⅓	59	18⅜		20 5/12	
" 8	7	25	9⅓	34	11⅔	42	14	50	16⅓	59	18⅔	64	21	59	23⅓	78
" 9	7⅞		10½	30	13⅛		15¾		18⅜		21	59	23⅝		26¼	
" 10	8¾		11⅔	42	14 7/12		17½	61	20 5/12		23⅓	78	26¼		29⅙	
" 11	9⅝		12⅚	47	16 1/24		19¼		22 11/24		25⅔	88	28⅞		32 1/12	
" 12	10½	30	14	50	17½	61	21	59	24½	86	28	93	31½	86	35	86
" 13	11⅜		15⅙	57	18 23/24		22¾		26 13/24		30⅓		34⅛		37 11/12	
" 14	12¼		16⅓	59	20 5/12		24½	86	28 7/12		32⅔	99	36¾		40⅚	
" 15	13⅛		17½	61	21⅞		26¼		30⅝		35	86	39⅜		43¾	
" 16	14	50	18⅔	64	23⅓	78	28	93	32⅔	99	37⅓	99	42	99	46⅔	84
" 17	14⅞		19⅚	71	24 19/24		29¾		34 17/24		39⅔		44⅝		49 7/12	
" 18	15¾		21	59	26¼		31½	86	36¾		42	99	47¼		52½	123
" 19	16⅝		22⅙	75	27 17/24		33¼		38 19/24		44⅓		49⅞		55 5/12	
" 20	17½	61	23⅓	78	29⅙		35	86	40⅚		46⅔	84	52½	123	58⅓	101
" 21	18⅜		24½	86	30⅝		36¾		42⅞		49	210	55⅛		61¼	
" 22	19¼		25⅔	88	32 1/12		38½		44 11/12		51⅓	100	57¾		64⅙	
" 23	20⅛		26⅚	90	33 13/24		40¼		46 23/24		53⅔		60⅜		67 1/12	
" 24	21	59	28	93	35	86	42	99	49	210	56	98	63	123	70	101
" 25	21⅞		29⅙		36 11/24		43¾		51 1/24		58⅓	101	65⅝		72 11/12	
" 26	22¾		30⅓		37 11/12		45½		53 1/12		60⅔	100	68¼		75⅚	
" 27	23⅝		31½	86	39⅜		47¼		55⅛		63	123	70⅞		78¾	

Size.	Length. 6		Length. 8		Length. 10		Length. 12		Length. 14		Length. 16		Length. 18		Length. 20	
	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
1¾x28	24½	86	32⅔	99	40⅚		49	184	57⅙		65⅓	100	73½	123	81⅔	102
" 29	25⅜		33⅚		42 7/24		50¾		59 5/24		67⅔		76⅛		84 7/12	
" 30	26¼		35	86	43¾		52½	123	61¼		70	101	78¾		87½	102
" 31	27⅛		36⅙		45 5/24		54¼		63 7/24		72⅓		81⅜		90 5/12	
" 32	28	93	37⅓	99	46⅔	84	56	98	65⅓	100	74⅔	111	84	108	93⅓	113
" 33	28⅞		38½		48⅛		57¾		67⅜		77	190	86⅝		96¼	
" 34	29¾		39⅔		49 7/12		59½		69 5/12		79⅓		89¼		99⅙	123
" 35	30⅝		40⅚		51 1/24		61¼		71 11/24		81⅔	102	91⅞		102 1/12	
" 36	31½	86	42	99	52½	123	63	123	73½	123	84	108	94½	123	105	123

To find number of feet in greater number of pieces than shown in tables:

To the lower corresponding number or multiple annex one or more ciphers, if there is no fraction; for the fraction ⅙, drop the fraction and annex 1⅔; for ⅚, annex 8⅓, dropping fraction as before; for ½, annex 5; for ⅓, annex 3⅓; for ⅔, annex 6⅔; for ¼, annex 2½; for ¾, annex 7½; for 1/12, annex 0⅚; for 5/12, annex 4⅙; for 7/12, annex 5⅚; for 11/12, annex 9⅙. Annexing the figure is equivalent to multiplying by 10.

See explanation pages 2, 3 and 125.

Size.	Length. 8 Feet	Length. 8 Page	Length. 10 Feet	Length. 10 Page	Length 12 Feet	Length 12 Page	Length. 14 Feet	Length. 14 Page	Length. 16 Feet	Length. 16 Page	Length. 18 Feet	Length. 18 Page	Length. 20 Feet	Length. 20 Page	Length 22 Feet	Length 22 Page
2x 2...	2	7	2⅔	8	3⅓	8	4	12	4⅔	17	5⅓	18	6	19	6⅔	20	7⅓	46
" 3...	3	10	4	12	5	14	6	19	7	25	8	26	9	27	10	28	11	46
" 4...	4	12	5⅓	18	6⅔	20	8	26	9⅓	34	10⅔	35	12	36	13⅓	37	14⅔	47
" 5...	5	14	6⅔	20	8⅓	22	10	28	11⅔	42	13⅓	37	15	44	16⅔	45	18⅓	47
" 6...	6	19	8	26	10	28	12	36	14	50	16	51	18	52	20	53	22	54
" 7...	7	25	9⅓	34	11⅔	42	14	50	16⅓	59	18⅔	64	21	59	23⅓	78	25⅔	88
" 8...	8	26	10⅔	35	13⅓	37	16	51	18⅔	64	21⅓	65	24	55	26⅔	67	29⅓	68
" 9...	9	27	12	36	15	44	18	52	21	59	24	55	27	73	30	80	33	88
" 10...	10	28	13⅓	37	16⅔	45	20	53	23⅓	78	26⅔	67	30	80	33⅓	81	36⅔	82
" 11...	11	46	14⅔	47	18⅓	47	22	54	25⅔	88	29⅓	68	33	88	36⅔	82	40⅓	
" 12...	12	36	16	51	20	53	24	55	28	93	32	69	36	95	40	83	44	96
" 13...	13	56	17⅓	57	21⅔	57	26	206	30⅓		34⅔		39	208	43⅓	83	47⅔	
" 14...	14	50	18⅔	64	23⅓	78	28	93	32⅔	99	37⅓	99	42	99	46⅔	34	51⅓	
" 15...	15	44	20	53	25	61	30	80	35	86	40	83	45	103	50	84	55	104
" 16...	16	51	21⅓	65	26⅔	67	32	69	37⅓	99	42⅔		48	97	53⅓		58⅔	
" 17...	17	70	22⅔	71	28⅓	71	34	208	39⅔		45⅓		51	212	56⅔		62⅓	
" 18...	18	52	24	55	30	80	36	95	42	99	48	97	54	106	60	98	66	107
" 19...	19	74	25⅓	75	31⅔	75	38	208	44⅓		50⅔		57	212	63⅓		69⅔	
" 20...	20	53	26⅔	67	33⅓	81	40	83	46⅔	84	53⅓		60	98	66⅔		73⅓	
" 21...	21	59	28	93	35	86	42	99	49	210	56	98	63	123	70	101	77	216
" 22...	22	54	29⅓	68	36⅔	82	44	96	51⅓	100	58⅔		66	107	73⅓		80⅔	
" 23...	23	89	30⅔	90	38⅓	90	46	184	53⅔		61⅓		69	98	76⅔		84⅓	
" 24...	24	55	32	69	40	83	48	97	56	98	64	109	72	107	80	109	88	109

To find number of feet in greater number of pieces than shown in tables: To the lower corresponding number or multiple annex one or more ciphers, if there is no fraction; for the fraction ⅙, drop the fraction and annex 1⅔; for ⅚, annex 8⅓, dropping fraction as before; for ½, annex 5; for ⅓, annex 3⅓; for ⅔, annex 6⅔; for ¼, annex 2½; for ¾, annex 7½. See explanation pages 2, 3, 125.

Size.	Length. 24		Length. 26		Length. 28		Length. 30		Length. 32		Length. 34		Length. 36		Length. 38		Length. 40	
	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
2x 2...	8	26	8⅔	56	9⅓	34	10	28	10⅔	35	11⅓	70	12	36	12⅔	74	13⅓	57
" 3...	12	36	13	56	14	50	15	44	16	51	17	70	18	52	19	74	20	53
" 4...	16	51	17⅓	57	18⅔	64	20	53	21⅓	65	22⅔	71	24	55	25⅓	75	26⅔	67
" 5...	20	53	21⅔	57	23⅓	78	25	61	26⅔	67	28⅓		30	80	31⅔	75	33⅓	
" 6...	24	55	26	206	28	93	30	80	32	69	34	208	36	95	38	208	40	83
" 7...	28	93	30⅓		32⅔	99	35	86	37⅓	99	39⅔		42	99	44⅓		46⅔	84
" 8...	32	69	34⅔		37⅓	99	40	83	42⅔		45⅓		48	97	50⅔		53⅓	
" 9...	36	95	39	208	42	99	45	103	48	97	51	212	54	106	57	212	60	98
" 10...	40	83	43⅓	83	46⅔	84	50	84	53⅓		56⅔		60	98	63⅓		66⅔	
" 11...	44	96	47⅔		51⅓	100	55	104	58⅔		62⅓		66	107	69⅔		73⅓	
" 12...	48	97	52	97	56	98	60	98	64	109	68	214	72	107	76	216	80	109
" 13...	52	97	56⅓		60⅔	100	65	104	69⅓		73⅔		78	107	82⅓		86⅔	
" 14...	56	98	60⅔	100	65⅓	100	70	101	74⅔	111	79⅓		84	108	88⅔		93⅓	113
" 15...	60	98	65	104	70	101	75	105	80	109	85	218	90	108	95	220	100	115
" 16...	64	109	69⅓		74⅔	111	80	109	85⅓	111	90⅔		96	110	101⅓		106⅔	112
" 17...	68	214	73⅔		79⅓		85	218	90⅔		96⅓		102		107⅔		113⅓	
" 18...	72	107	78	107	84	108	90	108	96	110	102		108		114		120	110
" 19...	76	216	82⅓		88⅔		95	220	101⅓		107⅔		114		120⅓		126⅔	
" 20...	80	109	86⅔		93⅓	113	100	115	106⅔	112	113⅓		120	110	126⅔		133⅓	116
" 21...	84	108	91	220	98	220	105	123	112	110	119		126	123	133		140	118
" 22...	88	109	95⅓		102⅔		110		117⅓	112	124⅔		132		139⅓		146⅔	114
" 23...	92	220	99⅔		107⅓		115		122⅔		130⅓		138		145⅔		153⅓	
" 24...	96	110	104	110	112	110	120	110	128	110	136	110	144	110	152		160	111

To find number of feet in greater number of pieces than shown in tables: To the lower corresponding number or multiple annex one or more ciphers, if there is no fraction; for the fraction ⅙, drop the fraction and annex 1⅔; for ⅚, annex 8⅓, dropping fraction as before; for ½, annex 5; for ⅓, annex 3⅓; for ⅔, annex 6⅔; for ¼, annex 2½; for ¾, annex 7½. See explanation pages 2, 3, 125.

Size.	Length. 6		Length. 8		Length. 10		Length. 12		Length. 14		Length. 16		Length. 18		Length. 20		Length. 22	
	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
3x 3...	4½	13	6	19	7½	22	9	27	10½	30	12	36	13½	39	15	44	16½	47
“ 4...	6	19	8	26	10	28	12	36	14	50	16	51	18	52	20	53	22	54
“ 5...	7½	22	10	28	12½	60	15	44	17½	61	20	53	22½	61	25	61	27½	
“ 6...	9	27	12	36	15	44	18	52	21	59	24	55	27	73	30	80	33	88
“ 7...	10½	30	14	50	17½	61	21	59	24½	86	28	93	31½	90	35	86	38½	
“ 8...	12	36	16	51	20	53	24	55	28	93	32	69	36	95	40	83	44	96
“ 9...	13½	39	18	52	22½	61	27	73	31½	86	36	95	40½		45	103	49½	
“ 10...	15	44	20	53	25	61	30	80	35	86	40	83	45	103	50	84	55	104
“ 11...	16½	47	22	54	27½		33	88	38½		44	96	49½		55	104	60½	
“ 12...	18	52	24	55	30	80	36	95	42	99	48	97	54	106	60	98	66	107
“ 13...	19½	57	26	206	32½		39	208	45½		52	97	58½		65	104	71½	
“ 14...	21	59	28	93	35	86	42	99	49	210	56	98	63	123	70	101	77	216
“ 15...	22½	61	30	80	37½		45	103	52½	123	60	98	67½		75	105	82½	
“ 16...	24	55	32	69	40	83	48	97	56	98	64	109	72	107	80	109	88	109
“ 17...	25½	71	34	208	42½		51	212	59½		68	214	76½		85	218	93½	
“ 18...	27	73	36	95	45	103	54	106	63	123	72	107	81	218	90	108	99	220
“ 19...	28½	75	38	208	47½		57	212	66½		76	216	85½		95	220	104½	
“ 20...	30	80	40	83	50	84	60	98	70	101	80	109	90	108	100	115	110	
“ 21...	31½	86	42	99	52½	123	63	123	73½	123	84	108	94½	123	105	123	115½	
“ 22...	33	88	44	96	55	104	66	107	77	216	88	109	99	220	110		121	
“ 23...	34½	90	46	210	57½		69	214	80½		92	220	103½		115		126½	
“ 24...	36	95	48	97	60	98	72	107	84	108	96	110	108		120	110	132	

To find number of feet in greater number of pieces than shown in tables: To the lower corresponding number or multiple annex one or more ciphers, if there is no fraction; for the fraction ⅙, drop the fraction and annex 1⅔; for ⅚, annex 8⅓, dropping fraction as before; for ½, annex 5; for ⅓, annex 3⅓; for ⅔, annex 6⅔; for ¼, annex 2½; for ¾, annex 7½. See explanation pages 2, 3, 125.

Size.	Length. 24		Length. 26		Length. 28		Length. 30		Length. 32		Length. 34		Length. 36		Length. 38		Length. 40	
	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
3x 3...	18	52	19½	57	21	59	22½	61	24	55	25½	71	27	73	28½	75	30	80
" 4...	24	55	26	206	28	93	30	80	32	69	34	208	36	95	38	208	40	83
" 5...	30	80	32½		35	86	37½		40	83	42½		45	103	47½		50	84
" 6...	36	95	39	208	42	99	45	103	48	97	51	212	54	106	57	212	60	98
" 7...	42	99	45½		49	210	52½	123	56	98	59½		63	123	66½		70	101
" 8...	48	97	52	97	56	98	60	98	64	109	68	214	72	107	76	216	80	109
" 9...	54	106	58½		63	123	67½		72	107	76½		81	218	85½		90	108
" 10...	60	98	65	104	70	101	75	105	80	109	85	218	90	108	95	220	100	115
" 11...	66	107	71½		77	216	82½		88	109	93½		99	220	104½		110	
" 12...	72	107	78	107	84	108	90	108	96	110	102		108		114		120	110
" 13...	78	107	84½		91	220	97½		104	110	110½		117		123½		130	
" 14...	84	108	91	220	98	220	105	123	112	110	119		126	123	133		140	118
" 15...	90	108	97½		105	123	112½		120	110	127½		135		142½		150	
" 16...	96	110	104	110	112	110	120	110	128	110	136	110	144	110	152	111	160	111
" 17...	102		110½		119		127½		136	110	144½		153		161½		170	
" 18...	108		117		126	123	135		144	110	153		162		171		180	118
" 19...	114		123½		133		142½		152	111	161½		171		180½		190	
" 20...	120	110	130		140	118	150	116	160	111	170		180	118	190		200	116
" 21...	126	123	136½		147		157½		168	120	178½		189		199½		210	
" 22...	132		143		154		165		176		187		198		209		220	118
" 23...	138		149½		161		172½		184		195½		207		218½		230	
" 24...	144	110	156		168	120	180	118	192	113	204		216	120	228		240	115

To find number of feet in greater number of pieces than shown in tables: To the lower corresponding number or multiple annex one or more ciphers, if there is no fraction; for the fraction ⅙, drop the fraction and annex 1⅔; for ⅚, annex 8⅓, dropping fraction as before; for ½, annex 5; for ⅓, annex 3⅓; for ⅔, annex 6⅔; for ¼, annex 2½; for ¾, annex 7½. See explanation pages 2, 3, 125.

Size.	Length. 8		Length. 8		Length. 10		Length. 12		Length. 14		Length. 16		Length. 18		Length. 20		Length 22	
	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
4x 4…	8	26	10⅔	35	13⅓	37	16	51	18⅔	64	21⅓	65	24	55	26⅔	67	29⅓	68
“ 5…	10	28	13⅓	70	16⅔	45	20	53	23⅓	78	26⅔	67	30	80	33⅓	81	36⅔	82
“ 6..	12	36	16	51	20	53	24	55	28	93	32	69	36	95	40	83	44	96
“ 7…	14	50	18⅔	64	23⅓	78	28	93	32⅔	99	37⅓	99	42	99	46⅔	84	51⅓	100
“ 8…	16	51	21⅓	65	26⅔	67	32	69	37⅓	99	42⅔		48	97	53⅓		58⅔	
“ 9…	18	52	24	55	30	80	36	95	42	99	48	97	54	106	60	98	66	107
“ 10…	20	53	26⅔	67	33⅓	81	40	83	46⅔	84	53⅓		60	98	66⅔		73⅓	
“ 11…	22	54	29⅓	68	36⅔	82	44	96	51⅓	100	58⅔		66	107	72⅓		80⅔	
“ 12…	24	55	32	69	40	83	48	97	56	98	64	109	72	107	80	109	88	109
“ 13…	26	206	34⅔		43⅓	83	52	97	60⅔		69⅓		78	107	86⅔		95⅓	
“ 14…	28	93	37⅓	99	46⅔	84	56	98	65⅓	100	74⅔	111	84	108	93⅓	113	102⅔	
“ 15…	30	80	40	83	50	84	60	98	70	101	80	109	90	108	100	115	110	
“ 16…	32	69	42⅔		53⅓		64	109	74⅔	111	85⅓	111	96	110	106⅔	112	117⅓	112
“ 17…	34	208	45⅓		56⅔		68	214	79⅓		90⅔		102		113⅓		124⅔	
“ 18…	36	95	48	97	60	98	72	107	84	108	96	110	108		120	110	132	
“ 19…	38	208	50⅔		63⅓		76	216	88⅔		101⅓		114		126⅔		139⅓	
“ 20…	40	83	53⅓		66⅔		80	109	93⅓	113	106⅔	112	120	110	133⅓	116	146⅔	114
“ 21…	42	99	56	98	70	101	84	108	98	220	112	110	126	123	140	118	154	
“ 22…	44	96	58⅔		73⅓		88	109	102⅔		117⅓	112	132		146⅔	114	161⅓	
“ 23…	46	216	61⅓		76⅔		92	220	107⅓		122⅔		138		153⅓		168⅔	116
“ 24…	48	97	64	109	80	109	96	110	112	110	128	110	144	110	160	111	176	

To find number of feet in greater number of pieces than shown in tables: To the lower corresponding number or multiple annex one or more ciphers, if there is no fraction; for the fraction ⅙, drop the fraction and annex 1⅔; for ⅚, annex 8⅓, dropping fraction as before; for ½, annex 5; for ⅓, annex 3⅓; for ⅔, annex 6⅔; for ¼, annex 2½; for ¾, annex 7½. See explanation pages 2, 3, 125.

Size.	Length. 24		Length. 26		Length. 28		Length. 30		Length. 32		Length. 34		Length. 38		Length. 38		Length. 40	
	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
4x 4...	32	69	34⅔		37⅓	99	40	83	42⅔		45⅓		48	97	50⅔		53⅓	
" 5...	40	83	43⅓	83	46⅔	84	50	84	53⅓		56⅔		60	98	63⅓		66⅔	
" 6...	48	97	52	97	56	98	60	98	64	109	68	214	72	107	76	216	80	109
" 7...	56	98	60⅔	100	65⅓	100	70	101	74⅔	111	79⅓		84	108	88⅔		93⅓	113
" 8...	64	109	69⅓		74⅔	111	80	109	85⅓	111	90⅔		96	110	101⅓		106⅔	112
" 9...	72	107	78	107	84	108	90	108	96	110	102		108		114		120	110
" 10...	80	109	86⅔		93⅓	113	100	115	106⅔	112	113⅓		120	110	126⅔		133⅓	116
" 11...	88	109	95⅓		102⅔		110		117⅓	112	124⅔		132		139⅓		146⅔	114
" 12...	96	110	104	110	112	110	120	110	128	110	136	110	144	110	152		160	111
" 13...	104	110	112⅔		121⅓		130		138⅔	112	147⅓		156		164⅔		173⅓	
" 14...	112	110	121⅓		130⅔		140	118	149⅓	112	158⅔		168	120	177⅓		186⅔	114
" 15...	120	110	130		140	118	150	116	160	111	170		180	118	190		200	116
" 16...	128	110	138⅔	112	149⅓	112	160	111	170⅔	112	181⅓	113	192	113	202⅔		213⅓	113
" 17...	136	110	147⅓		158⅔		170		181⅓	113	192⅔		204		215⅓		226⅔	115
" 18...	144	110	156		168	120	180	118	192	113	204		216	120	228		240	115
" 19...	152	111	164⅔		177⅓		190		202⅔	113	215⅓		228		240⅔		253⅓	115
" 20...	160	111	173⅓		186⅔	114	200	116	213⅓	113	226⅔	115	240	115	253⅓	115	266⅔	115
" 21...	168	120	182		196		210		224		238		252		266		280	119
" 22...	176		190⅔		205⅓		220	118	234⅔		249⅓		264	121	278⅔		293⅓	
" 23...	184		199⅓		214⅔		230		245⅓		260⅔		276		291⅓		306⅔	
" 24...	192	113	208		224		240	115	256		272		288	121	304		320	119

See explanations pages 2, 3 and 125.

Size.	Length. 6		Length. 8		Length. 10		Length. 12		Length. 14		Length. 16		Length. 18		Length. 26		Length. 22	
	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
5x 5 ...	12½	60	16⅔	45	20⅚		25	61	29⅙		33⅓	81	37½		41⅔		45⅚	
" 6 ...	15	44	20	53	25	61	30	80	35	86	40	83	45	103	50	84	55	104
" 7 ...	17½	61	23⅓	78	29⅙		35	86	40⅚		46⅔	84	52½	123	58⅓	101	64⅙	101
" 8 ...	20	53	26⅔	67	33⅓	81	40	83	46⅔	84	53⅓		60	98	66⅔		73⅓	
" 9 ...	22½	61	30	80	37½		45	103	52½	123	60	98	67½		75	105	82½	
" 10 ...	25	61	33⅓	81	41⅔		50	84	58⅓	101	66⅔		75	105	83⅓		91⅔	
" 11 ...	27½		36⅔	82	45⅚		55	104	64⅙	101	73⅓		82½		91⅔		100⅚	
" 12 ...	30	80	40	83	50	84	60	98	70	101	80	109	90	108	100	115	110	
" 13 ...	32½		43⅓	83	54⅙		65	104	75⅚	102	86⅔		97½		108⅓		119⅙	
" 14 ...	35	86	46⅔	84	58⅓	101	70	101	81⅔	102	93⅓	113	105	123	116⅔	115	128⅓	123
" 15 ...	37½		50	84	62½		75	105	87½	102	100	115	212½		125		137½	
" 16 ...	40	83	53⅓		66⅔		80	109	93⅓	113	106⅔	112	120	110	133⅓	116	146⅔	114
" 17 ...	42½		56⅔		70⅚		85	218	99⅙	123	113⅓		127½		141⅔		155⅚	
" 18 ...	45	103	60	98	75	105	90	108	105	123	120	110	135		150	116	165	
" 19 ...	47½		63⅓		79⅙		95	220	110⅚	123	126⅔		142½		158⅓		174⅙	
" 20 ...	50	84	66⅔		83⅓		100	115	116⅔	115	133⅓	116	150	116	166⅔	116	183⅓	116
" 21 ...	52½	123	70	101	87½	102	105	123	122½	123	140	118	157½		175		192½	
" 22 ...	55	104	73⅓		91⅔		110		128⅓	123	146⅔	114	165		183⅓	116	201⅔	
" 23 ...	57½		76⅔		95⅚		115		134⅙	123	153⅓		172½		191⅔		210⅚	123
" 24 ...	60	98	80	109	100	115	120	110	140	118	160	111	180	118	200	116	220	118

To find number of feet in greater number of pieces than shown in tables: To the lower corresponding number or multiple annex one or more ciphers, if there is no fraction; for the fraction ⅙, drop the fraction and annex 1⅔; for ⅚, annex 8⅓, dropping fraction as before; for ½, annex 5; for ⅓, annex 3⅓; for ⅔, annex 6⅔; for ¼, annex 2½; for ¾, annex 7½. See explanation pages 2, 3, 125.

Size.	Length. 24		Length. 26		Length. 28		Length. 30		Length. 32		Length. 34		Length. 36		Length. 38		Length. 40	
	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
5x 5...	50	84	54⅙		58⅓	101	62½		66⅔		70⅚		75	105	79⅙		83⅓	
" 6...	60	98	65	104	70	101	75	105	80	109	85	218	90	108	95	220	100	115
" 7...	70	101	75⅚	102	81⅔	102	87½	102	93⅓	113	99⅙	123	105	123	110⅚	123	116⅔	115
" 8...	80	109	86⅔		93⅓	113	100	115	106⅔	112	113⅓		120	110	126⅔		133⅓	116
" 9...	90	108	97½		105	123	112½		120	110	127½		135		142½		150	116
" 10...	100	115	108⅓		116⅔	115	125		133⅓	116	141⅔		150	116	158⅓		166⅔	116
" 11...	110		119⅙		128⅓	123	137½		146⅔	114	155⅚		165		174⅙		183⅓	116
" 12...	120	116	130		140	118	150		160	111	170		180	118	190		200	116
" 13...	130		140⅚		151⅔		162½		173⅓	114	184⅙		195		205⅚		216⅔	116
" 14...	140	118	151⅔		163⅓		175		186⅔	114	198⅓		210		221⅔		233⅓	117
" 15...	150	116	162½		175		187½		200	116	212½		225		237½		250	
" 16...	160	111	173⅓	114	186⅔	114	200	116	213⅓	113	226⅔	115	240	115	253⅓	115	266⅔	115
" 17...	170		184⅙		198⅓		212½		226⅔	115	240⅚		255		269⅙		283⅓	117
" 18...	180	118	195		210		225		240	115	255		270		285		300	117
" 19...	190		205⅚		221⅔		237½		253⅓	115	269⅙		285		300⅚		316⅔	117
" 20...	200	116	216⅔	116	233⅓	117	250		266⅔	115	283⅓		300	117	316⅔		333⅓	117
" 21...	210		227½		245		262½		280	119	297½		315		332½		350	
" 22...	220	118	238⅓		256⅔		275		293⅓		311⅔		330		348⅓		366⅔	
" 23...	230		249⅙		268⅓		287½		306⅔		325⅚		345		364⅙		383⅓	
" 24...	240	115	260	119	280	119	300	117	320	119	340	119	360	121	380	120	400	120

TO COMPUTE WITHOUT THE FRACTION 1-3.

The Buyer and Seller tables are figured exact, that is, all fractions counted, but in some markets there is still in vogue a system called (give and take) whereby a piece of 2x4x14, which contains 9⅓ feet, would be counted 9 feet even. A piece of 2x4x16, containing 10⅔ feet, would be called 11 feet. On page124 we have table showing the number of feet to add or deduct as the case may require.

Rule.—Where the fraction is ⅓ deduct one-third as many feet as pieces, if ⅔ add one-third as many feet as pieces.

Example.—To find number of feet in 178 pieces. 2x4x14, by this system:

Page 84 of the Buyer and Seller gives 178 pieces, 2x4x14 feet.		1,661⅓ feet.
Page 124 gives for 178x⅓.	Loss of	59⅓ feet.
		1,602 feet.
Page 85 gives for 178, 2x4x16.		1,898⅔ feet.
Page 124 for 178x⅓.	Gain of	59⅓ feet.
		1,958 feet.

Size.	Length. 6		Length. 8		Length. 10		Length. 12		Length. 14		Length. 18		Length. 18		Length. 20		Length. 22	
	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
6x 6...	18	52	24	55	30	80	36	95	42	99	48	97	54	106	60	98	66	107
" 7...	21	59	28	93	35	86	42	99	49	210	56	98	63	123	70	101	77	216
" 8...	24	55	32	69	40	83	48	97	56	98	64	109	72	107	80	109	88	109
" 9...	27	73	36	95	45	103	54	106	63	123	72	107	81	218	90	108	99	220
" 10...	30	80	40	83	50	84	60	98	70	101	80	109	90	108	100	115	110	
" 11...	33	88	44	96	55	104	66	107	77	216	88	109	99	220	110		121	
" 12...	36	95	48	97	60	98	72	107	84	108	96	110	108		120	110	132	
" 13...	39	208	52	97	65	104	78	107	91	220	104	110	117		130		143	
" 14...	42	99	56	98	70	101	84	108	98	220	112	110	126	123	140	118	154	
" 15...	45	103	60	98	75	105	90	108	105	123	120	110	135		150	116	165	
" 16...	48	97	64	109	80	109	96	110	112	110	128	110	144	110	160	111	176	
" 17...	51	212	68	214	85	218	102		119		136	110	153		170		187	
" 18...	54	106	72	107	90	108	108		126	123	144	110	162		180	118	198	
" 19...	57	212	76	216	95	220	114		133		152	111	171		190		209	
" 20...	60	98	80	109	100	115	120	110	140	118	160	111	180	118	200	116	220	118
" 21...	63	123	84	108	105	123	126	123	147		168	120	189		210		231	
" 22...	66	107	88	109	110		132		154		176		198		220	118	242	
" 23...	69	214	92	220	115		138		161		184		207		230		253	
" 24...	72	107	96	110	120	110	144	110	168	120	192	113	216	120	240	115	264	121

To find number of feet in greater number of pieces than shown in tables: To the lower corresponding number or multiple annex one or more ciphers, if there is no fraction; for the fraction ⅙, drop the fraction and annex 1⅔; for ⅚, annex 8⅓, dropping fraction as before; for ½, annex 5; for ⅓, annex 3⅓; for ⅔, annex 6⅔; for ¼, annex 2½; for ¾, annex 7½. See explanation pages 2, 3 125.

	Length. 24		Length. 26		Length. 26		Length. 30		Length. 32		Length. 34		Length. 36		Length. 38		Length. 40	
Size.	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
6x 6...	72	107	78	107	84	108	90	108	96	110	102		108		114		120	110
" 7...	84	108	91	220	98	220	105	123	112	110	119		126	123	133		140	118
" 8...	96	110	104	110	112	110	120	110	128	110	136	110	144	110	152	111	160	111
" 9...	108		117		126	123	135		144	110	153		162		171		180	118
" 10...	120	110	130		140	118	150	116	160	111	170		180	118	190		200	116
" 11...	132		143		154		165		176		187		198		209		220	118
" 12...	144	110	156		168	120	180	118	192	113	204		216	120	228		240	115
" 13...	156		169		182		195		208		221		234		247		260	119
" 14...	168	120	182		196		210		224		238		252		266		280	119
" 15...	180	118	195		210		225		240	115	255		270		285		300	117
" 16...	192	113	208		224		240	115	256		272		288	121	304		320	119
" 17...	204		221		238		255		272		289		306		323		340	119
" 18...	216	120	234		252		270		288	121	306		324		342		360	121
" 19...	228		247		266		285		304		323		342		361		380	120
" 20...	240	115	260	119	280	119	300	117	320	119	340	119	360	121	380	120	400	120
" 21...	252		273		294		315		336	121	357		378		399		420	
" 22...	264	121	286		308		330		352		374		396		418		440	
" 23...	276		299		322		345		368		391		414		437		460	
" 24...	288	121	312	121	336	121	360	121	384	121	408	122	432	122	456	122	480	122

To find number of feet in greater number of pieces than shown in tables: To the lower corresponding number or multiple annex one or more ciphers, if there is no fraction; for the fraction ⅙, drop the fraction and annex 1⅔; for ⅚, annex 8⅓, dropping fraction as before; for ½, annex 5; for ⅓, annex 3⅓; for ⅔, annex 6⅔; for ¼, annex 2½; for ¾, annex 7½. See explanation pages 2, 3, 125.

Size.	Length. 6		Length. 8		Length. 10		Length. 12		Length. 14		Length. 18		Length. 18		Length. 20		Length. 22	
	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
7x 7...	24½	86	32⅔	99	40⅚		49	210	57⅙		65⅓	100	73½	123	81⅔	102	89⅚	
“ 8...	28	93	37⅓	99	46⅔	84	56	98	65⅓	100	74⅔	111	84	108	93⅓	113	102⅔	
“ 9...	31½	86	42	99	52½	123	63	123	73½	123	84	108	94½	123	105	123	115½	123
“ 10...	35	86	46⅔	84	58⅓	101	70	101	81⅔	102	93⅓	113	105	123	116⅔	115	128⅓	123
“ 11...	38½		51⅓	100	64⅙	101	77	216	89⅚		102⅔		115½	123	128⅓	123	141⅙	
“ 12...	42	99	56	98	70	101	84	108	98	220	112	110	126	123	140	118	154	
“ 13...	45½		60⅔	100	75⅚	102	91	220	106⅙		121⅓		136½		151⅔		166⅚	
“ 14...	49	210	65⅓	100	81⅔	102	98	220	114⅓		130⅔		147		163⅓		179⅔	
“ 15...	52½	123	70	101	87½	102	105	123	122½	123	140	118	157½		175		192½	
“ 16...	56	98	74⅔	111	93⅓	113	112	110	130⅔		149⅓	112	168	120	186⅔	114	205⅓	
“ 17...	59½		79⅓		99⅙	123	119		138⅚		158⅔		178½		198⅓		218⅙	
“ 18...	63	123	84	108	105	123	126	123	147		168	120	189		210		231	
“ 19...	66½		88⅔		110⅚	123	133		155⅙		177⅓		199½		221⅔		243⅚	
“ 20...	70	101	93⅓	113	116⅔	115	140	118	163⅓		186⅔	114	210		233⅓	117	256⅔	
“ 21...	73½	123	98	220	122½	123	147		171½		196		220½		245		269½	
“ 22...	77	216	102⅔		128⅓	123	154		179⅔		205⅓		231		256⅔		282⅓	
“ 23...	80½		107⅓		134⅙	123	161		187⅚		214⅔		241½		268⅓		295⅙	
“ 24...	84	108	112	110	140	118	168	120	196		224		252		280	119	308	

To find number of feet in greater number of pieces than shown in tables: To the lower corresponding number or multiple annex one or more ciphers, if there is no fraction; for the fraction ⅙, drop the fraction and annex 1⅔; for ⅚, annex 8⅓, dropping fraction as before; for ½, annex 5; for ⅓, annex 3⅓; for ⅔, annex 6⅔; for ¼, annex 2½; for ¾, annex 7½. See explanation pages 2, 3, 125.

Size.	Length. 24		Length. 26		Length. 28		Length. 30		Length. 32		Length. 34		Length. 36		Length. 38		Length. 40	
	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
7x 7 ...	98	220	106⅙		114⅓		122½	123	130⅔		138⅚		147		155⅙		163⅓	
" 8 ...	112	110	121⅓		130⅔		140	118	149⅓	112	158⅔		168	120	177⅓		186⅔	114
" 9 ...	126	123	136½		147		157½		168	120	178½		189		199½		210	
" 10 ...	140	118	151⅔		163⅓		175		186⅔	114	198⅓		210		221⅔		233⅓	117
" 11 ...	154		166⅚		179⅔		192½		205⅓		218⅙		231		243⅚		256⅔	
" 12 ...	168	120	182		196		210		224		238		252		266		280	119
" 13 ...	182		197⅙		212⅓		227½		242⅔		257⅚		273		288⅙		303⅓	
" 14 ...	196		212⅓		228⅔		245		261⅓		277⅔		294		310⅓		326⅔	
" 15 ...	210		227½		245		262½		280	119	297½		315		332½		350	
" 16 ...	224		242⅔		261⅓		280	119	298⅔		317⅓		336	121	354⅔		373⅓	
" 17 ...	238		257⅚		277⅔		297½		317⅓		337⅙		357		376⅚		396⅔	
" 18 ...	252		273		294		315		336	121	357		378		399		420	
" 19 ...	266		288⅙		310⅓		332½		354⅔		376⅚		399		421⅙		443⅓	
" 20 ...	280	119	403⅓		826⅔		350		373⅓		396⅔		420		443⅓		466⅔	
" 21 ...	294		318½		343		367½		392		416½		441		465½		490	
" 22 ...	308		333⅔		359⅓		385		410⅔		436⅓		462		487⅔		513⅓	
" 23 ...	322		348⅚		375⅔		402½		429⅓		456⅙		483		509⅚		536⅔	
" 24 ...	336	121	364		392		420		448		476		504		532		560	

To find number of feet in greater number of pieces than shown in tables: To the lower corresponding number or multiple annex one or more ciphers, if there is no fraction; for the fraction ⅙, drop the fraction and annex 1⅔; for ⅚, annex 8⅓, dropping fraction as before; for ½, annex 5; for ⅓, annex 3⅓; for ⅔, annex 6⅔; for ¼, annex 2½; for ¾, annex 7½. See explanation pages 2, 3, 125.

Size	Length. 6		Length. 8		Length. 10		Length. 12		Length. 14		Length. 16		Length. 18		Length. 26		Length. 22	
	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
8x 8...	32	69	42⅔		53⅓		64	109	74⅔	111	85⅓	111	96	110	106⅔	112	117⅓	112
" 9...	36	95	48	97	60	98	72	107	84	108	96	110	108		120	110	132	
" 10...	40	83	53⅓		66⅔		80	109	93⅓	113	106⅔	112	120	110	133⅓	116	146⅔	114
" 11...	44	96	58⅔		73⅓		88	109	102⅔		117⅓	112	132		146⅔	114	161⅓	
" 12...	48	97	64	109	80	109	96	110	112	110	128	123	144	110	160	111	176	
" 13...	52	97	69⅓		86⅔		104	110	121⅓		138⅔	112	156		173⅓	114	190⅔	
" 14...	56	98	74⅔	111	93⅓	113	112	110	130⅔		149⅓	112	168	120	186⅔	114	205⅓	
" 15...	60	98	80	109	100	115	120	110	140	118	160	111	180	118	200	116	220	118
" 16...	64	109	85⅓	111	106⅔	112	128	110	149⅓	112	170⅔		192	113	213⅓	113	234⅔	
" 17...	68	214	90⅔		113⅓		136	110	158⅔		181⅓	113	204		226⅔	115	249⅓	
" 18...	72	107	96	110	120	110	144	110	168	120	192	113	216	120	240	115	264	121
" 19...	76	216	101⅓		126⅔		152	111	177⅓		202⅔	113	228		253		278⅔	
" 20...	80	109	106⅔	112	133⅓	116	160	111	186⅔	114	213⅓	113	240	115	266⅔	115	293⅓	
" 21...	84	108	112	110	140	118	168	120	196		224		252		280	119	308	
" 22...	88	109	117⅓	112	146⅔	114	176		205⅓		234⅔		264	121	293⅓		322⅔	
" 23...	92	220	122⅔		153⅓		184		214⅔		245⅓		276		306⅔		337⅓	
" 24...	96	110	128	110	160	111	192	113	224		256		288	121	320	119	352	

To find number of feet in greater number of pieces than shown in tables: To the lower corresponding number or multiple annex one or more ciphers, if there is no fraction; for the fraction ⅙, drop the fraction and annex 1⅔; for ⅚, annex 8⅓, dropping fraction as before; for ½, annex 5; for ⅓, annex 3⅓; for ⅔, annex 6⅔; for ¼, annex 2½; for ¾, annex 7½. See explanation pages 2, 3, 125.

Size.	Length. 24		Length. 26		Length. 28		Length. 30		Length. 32		Length. 34		Length. 36		Length. 38		Length. 40	
	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
8x 8 ...	128	110	138⅔		149⅓	112	160	111	170⅔	112	181⅓	113	192	113	202⅔	113	213⅓	113
“ 9 ...	144	110	156		168	120	180	118	192	113	204		216	120	228		240	115
“ 10 ...	160	111	173⅓	114	186⅔	114	200	116	213⅓	113	226⅔	115	240	115	253⅓	115	226⅔	115
“ 11 ...	176		190⅔		205⅓		220	118	234⅔		249⅓		264	122	278⅔		293⅓	
“ 12 ...	192	113	208		224		240	115	256		272		288	121	304		320	119
“ 13 ...	208		225⅓		242⅔		260	119	277⅓		294⅔		312	121	329⅓		346⅔	
“ 14 ...	224		242⅔		261⅓		280	119	298⅔		317⅓		336	121	354⅔		373⅓	
“ 15 ...	240	115	260	119	280	119	300	117	320	119	340	119	360	121	380	120	400	120
“ 16 ...	256		277⅓		298⅔		320	119	341⅓		362⅔		384	121	405⅓		426⅔	
“ 17 ...	272		294⅔		317⅔		340		362⅔		385⅓		408	122	430⅔		453⅓	
“ 18 ...	288	121	312	121	336	121	360	121	384	121	408	122	432	122	456		480	122
“ 19 ...	304		329⅓		354⅔		380	120	405⅓		430⅔		456	122	481⅓		506⅔	
“ 20 ...	320	119	346⅔		373⅓		400	120	426⅔		453⅓		480	122	506⅔		533⅓	
“ 21 ...	336	121	364		392		420		448		476		504		532		560	
“ 23 ...	352		381⅓		410⅔		440		469⅓		498⅔		528		557⅓		586⅔	
“ 22 ...	368		398⅔		429⅓		460		490⅔		521⅓		552		582⅔		613⅓	
“ 24 ...	384	121	416		448		480	122	512		544		576		608		640	

To find number of feet in greater number of pieces than shown in tables: To the lower corresponding number or multiple annex one or more ciphers, if there is no fraction; for the fraction ⅙, drop the fraction and annex 1⅔; for ⅚, annex 8⅓, dropping fraction as before; for ½, annex 5; for ⅓, annex 3⅓; for ⅔, annex 6⅔; for ¼, annex 2½; for ¾, annex 7½. See explanation pages 2, 3, 125.

Size.	Length. 8		Length. 8		Length. 10		Length. 12		Length. 14		Length. 18		Length. 18		Length. 20		Length. 22	
	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
9x 9...	40½		54	106	67½		81	218	94½	123	108		121½		135		148½	
“ 10...	45	103	60	98	75	105	90	108	105	123	120	110	135		150	116	165	
“ 11...	49½		66	107	82½		99	220	115½	123	132		148½		165		181½	
“ 12...	54	106	72	107	90	108	108		126	123	144	110	162		180	118	198	
“ 13...	58½		78	107	97½		117		136½		156		175½		195		214½	
“ 14...	63	123	84	108	105	123	126	123	147		168	120	189		210		231	
“ 15...	67½		90	108	112½		135		157½		180	118	202½		225		247½	
“ 16...	72	107	96	110	120	110	144	110	168	120	192	113	216	120	240	115	264	121
“ 17...	76½		102		127½		153		178½		204		229½		255		280½	
“ 18...	81	218	108		135		162		189		216	120	243		270		297	
“ 19...	85½		114		142½		171		199½		228		256½		285		313½	
“ 20...	90	108	120	110	150	116	180	118	210		240	115	270		300	117	330	
“ 21...	94½		126	123	157½		189		220½		252		283½		315		346½	
“ 22...	99	220	132		165		198		231		264	121	297		330		363	
“ 23...	103½		138		172½		207		241½		276		310½		345		379½	
“ 24...	108		144	110	180	118	216	120	252		288	121	324		360	121	396	

To find number of feet in greater number of pieces than shown in tables:

To the lower corresponding number or multiple annex one or more ciphers, if there is no fraction; for the fraction ⅙, drop the fraction and annex 1⅔; for ⅚, annex 8⅓, dropping fraction as before; for ½, annex 5; for ⅓, annex 3⅓; for ⅔, annex 6⅔; for ¼, annex 2½; for ¾, annex 7½.

See explanations pages 2, 3, and 125.

Size.	Length. 24		Length. 26		Length. 28		Length. 30		Length. 32		Length. 34		Length. 36		Length. 38		Length. 40	
	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
9x 9...	162		175½		189		202½		216	120	229½		243		256½		270	
" 10...	180	118	195		210		225		240	115	255		270		285		300	117
" 11...	198		214½		231		247½		264	121	280½		297		313½		330	
" 12...	216	120	234		252		270		288	121	306		324		342		360	121
" 13...	234		253½	115	273		292½		312	121	331½		351		370½		390	
" 14...	252		273		294		315		336	121	357		378		399		420	
" 15...	270		292½		315		337½		360	121	382½		405		427½		450	
" 16...	288	121	312	121	336	121	360	121	384	121	408		432	122	456	122	480	122
" 17...	306		331½		357		382½		408	122	433½		459		484½		510	
" 18...	324		351		378		405		432	122	459		486		513		540	
" 19...	342		370½		399		427½		456	122	484½		513		541½		570	
" 20...	360	121	390		420		450		480	122	510		540		570		600	
" 21...	378		409½		441		472½		504		535½		567		598½		630	
" 22...	396		429		462		495		528		561		594		627		660	
" 23...	414		448½		483		517½		552		586½		621		655½		690	
" 24...	432	122	468		504		540		576		612		648		684		720	

To find number of feet in greater number of pieces than shown in tables:

To the lower corresponding number or multiple annex one or more ciphers, if there is no fraction; for the fraction ⅙, drop the fraction and annex 1⅔; for ⅚, annex 8⅓, dropping fraction as before; for ½, annex 5; for ⅓, annex 3⅓; for ⅔, annex 6⅔; for ¼, annex 2½; for ¾, annex 7½.

See explanation pages 2, 3, and 125.

Size.	Length. **8**		Length. **8**		Length. **10**		Length. **12**		Length. **14**		Length. **16**		Length. **18**		Length. **20**		Length. **22**	
	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
10x10..	50	84	66⅔		83⅓		100	115	116⅔	115	133⅓	116	150	116	166⅔		183⅓	116
" 11..	55	104	73⅓		91⅔		110		128⅓	123	146⅔	114	165		183⅓	116	201⅔	
" 12..	60	98	80	109	100	115	120	110	140	118	160	111	180	118	200	116	220	118
" 13..	65	104	86⅔		108⅓		130		151⅔		173⅓	114	195		216⅔	116	238⅓	
" 14..	70	101	93⅓	113	116⅔	115	140	118	163⅓		186⅔	114	210		233⅓	117	256⅔	
" 15..	75	105	100	115	125		150	116	175		200	116	225		250	117	275	
" 16..	80	109	106⅔	112	133⅓	116	160	111	186⅔	114	213⅓	113	240	115	266⅔	115	293⅓	
" 17..	85	218	113⅓		141⅔		170		198⅓		226⅔	115	255		283⅓	117	311⅔	
" 18..	90	108	120	110	150	116	180	118	210		240	115	270		300	117	330	
" 19..	95	220	126⅔		158⅓		190		221⅔		253⅓	115	285		316⅔	117	348⅓	
" 20..	100	115	133⅓	116	166⅔	116	200	116	233⅓	117	266⅔	115	300	117	333⅓	117	366⅔	
" 21..	105	123	140	118	175		210		245		280	119	315		350		385	
" 22..	110		146⅔	114	183⅓	116	220	118	256⅔		293⅓		330		366⅔		403⅓	
" 23..	115		153⅓		191⅔		230		268⅓		306⅔		345		383⅓		421⅔	
" 24..	120	110	160	111	200	116	240	115	280	119	320	119	360	121	400	120	440	

To find number of feet in greater number of pieces than shown in tables:

To the lower corresponding number or multiple annex one or more ciphers, if there is no fraction; for the fraction ⅙, drop the fraction and annex 1⅔; for ⅚, annex 8⅓, dropping fraction as before; for ½, annex 5; for ⅓, annex 3⅓; for ⅔, annex 6⅔; for ¼, annex 2½; for ¾, annex 7½.

See explanations 2, 3, and 125.

Size.	Length. 24		Length. 26		Length. 28		Length. 30		Length. 32		Length. 34		Length. 36		Length. 38		Length. 40	
	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
10x10..	200	116	216⅔	116	233⅓	117	250	117	266⅔	115	283⅓	117	300	117	316⅔	117	333⅓	117
" 11..	220	118	238⅓		256⅔		275		293⅓		311⅔		330		348⅓		366⅔	
" 12..	240	115	260	119	280	119	300	117	320	117	340	119	360	121	380	120	400	120
" 13..	260	119	281⅔		303⅓		325		346⅔		368⅓		390		411⅔		433⅓	
" 14..	280	119	303⅓		326⅔		350		373⅓		396⅔		420		443⅓		466⅔	
" 15.	300	117	325		350		375		400	120	425		450		475		500	
" 16..	320	119	346⅔		373⅓		400	120	426⅔		453⅓		480	122	506⅔		533⅓	
" 17..	340	119	368⅓		396⅔		425		453⅓		481⅔		510		538⅓		566⅔	
" 18..	360	121	390		420		450		480	122	510		540		570		600	
" 19..	380	120	411⅔		443⅓		475		506⅔		538⅓		570		601⅔		633⅓	
" 20..	400	120	433⅓		466⅔		500		533⅓		566⅔		600		633⅓		666⅔	
" 21..	420		455		490		525		560		595		630		665		700	
" 22..	440		476⅔		513⅓		550		586⅔		623⅓		660		696⅔		733⅓	
" 23.	460		498⅓		536⅔		575		613⅓		651⅔		690		728⅓		766⅔	
" 24..	480	122	520		560		600		640		680		720		760		800	

To find mumber of feet in greater number of pieces than shown in table:

To the lower corresponding number or multiple annex one or more ciphers, if there is no fraction; for the fraction ⅙, drop the fraction and annex 1⅔; for ⅚, annex 8⅓, dropping fraction as before; for ½, annex 5; for ⅓, annex 3⅓; for ⅔, annex 6⅔; for ¼, annex 2½; for ¾, annex 7½.

See explanaitons pages 2, 3, and 125.

Size.	Length. 6		Length. 8		Length. 10		Length. 12		Length. 14		Length. 16		Length. 18		Length. 20		Length. 22	
	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
11x11..	60½		80⅔		100⅚		121		141⅙		161⅓		181½		201⅔		221⅚	
" 12.	66	107	88	109	110		132		154		176		198		220	118	242	
" 13..	71½		95⅓		119⅙		143		166⅚		190⅔		214½		238⅓		262⅙	
" 14..	77	216	102⅔		128⅓	123	154		179⅔		205⅓		231		256⅔		282⅓	
" 15..	82½		110		137½		165		192½		220	118	247½		275		302½	
" 16..	88	109	117⅓	112	146⅔	114	176		205⅓		234⅔		264	121	293⅓		322⅔	
" 17..	93½		124⅔		155⅚		187		218⅙		249⅓		280½		311⅔		342⅚	
" 18..	99	220	132		165		198		231		264	121	297		330		363	
" 19..	104½		139⅓		174⅙		209		243⅚		278⅔		313½		348⅓		383⅙	
" 20..	110		146⅔	114	183⅓	116	220	118	256⅔		293⅓		330		366⅔		403⅓	
" 21..	115½	123	154		192½		231		269½		308		346½		385		423½	
" 22..	121		161⅓		201⅔		242		282⅓		322⅔		363		403⅓		443⅔	
" 23..	126½		168⅔		210⅚		253		295⅙		337⅓		379½		421⅔		463⅚	
" 24..	132		176		220	118	264	121	308		352		396		440		484	
12x12..	72	107	96	110	120	110	144	110	168	120	192	113	216	120	240	115	264	121
" 13..	78	107	104	110	130		156		182		208		234		260	119	286	
" 14..	84	108	112	110	140	118	168	120	196		224		252		280	119	308	
" 15..	90	108	120	110	150	116	180	118	210		240	115	270		300	117	330	
" 16..	96	110	128	110	160	111	192	113	224		256		288	121	320	119	352	
" 17..	102		136	110	170		204		238		272		306		340	119	374	
" 18..	108		144	110	180	118	216	120	252		288	121	324		360	121	396	
" 19..	114		152	111	190		228		266		304		342		380	120	418	
" 20..	120	110	160	111	200	116	240	115	280	119	320	119	360	121	400	120	440	
" 21..	126	123	168	120	210		252		294		336	121	378		420		462	
" 22..	132		176		220	118	264	121	308		352		396		440		484	
" 23..	138		184		230		276		322		368		414		460		506	
" 24..	144	110	192	113	240	115	288	121	336	121	384	121	432	122	480	122	528	

See explanations pages 2, 3 and 125.

	Length. 24		Length. 26		Length. 28		Length. 30		Length. 32		Length. 34		Length. 36		Length. 38		Length. 40	
Size.	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
11x11..	242		262⅙		282⅓		302½		322⅔		342⅚		363		383⅙		403⅓	
" 12..	264	121	286		308		330		352		374		396		418		440	
" 13..	286		309⅚		383⅔		357½		381⅓		405⅙		429		452⅚		476⅔	
" 14..	308		333⅔	117	359⅓		385		410⅔		436⅓		462		487⅔		513⅓	
" 15..	330		357½		385		412½		440		467½		495		522½		550	
" 16..	352		381⅓		410⅔		440		469⅓		498⅔		528		557⅓		586⅔	
" 17..	374		405⅙		436⅓		467½		498⅔		529⅚		561		592⅙		623⅓	
" 18..	396		429		462		495		528		561		594		627		660	
" 19..	418		452⅚		487⅔		522½		557⅓		592⅙		627		661⅚		696⅔	
" 20..	440		476⅔		513⅓		550		586⅔		623⅓		660		696⅔		733⅓	
" 21..	462		500½		539		577½		616		654½		693		731½		770	
" 22..	484		524⅓		564⅔		605		645⅓		685⅔		726		766⅓		806⅔	
" 23..	506		548⅙		590⅓		632½		674⅔		716⅚		759		801⅙		843⅓	
" 24..	528		572		616		660		704		748		792		836		880	
12x12..	288	121	312	121	336	121	360	121	384	121	408	122	432	122	456	122	480	122
" 13..	312	121	338		364		390		416		442		468		494		520	
" 14..	336	121	364		392		420		448		476		504		532		560	
" 15..	360	121	390		420		450	122	480	122	510		540		570		600	
" 16..	384	121	416		448		480		512		544		576		608		640	
" 17..	408	122	442		476		510		544		578		612		646		680	
" 18..	432	122	468		504		540		576		612		648		684		720	
" 19..	456	122	494		532		570		608		646		684		722		760	
" 20..	480	122	520		560		600		640		680		720		760		800	
" 21..	504		546		588		630		672		714		756		798		840	
" 22..	528		572		616		660		704		748		792		836		880	
" 23..	552		598		644		690		736		782		828		874		920	
" 24..	576		624		672		720		768		816		864		912		960	

See explanations pages 2, 3 and 125.

11 & 12

14

18 to

Size	Length. 6		Length. 8		Length. 10		Length. 12		Length. 14		Length. 16		Length. 18		Length. 20		Length. 22	
	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
13x13..	84½		112⅔		140⅚		169		197⅙		225⅓		253½		281⅔		309⅚	
“ 14..	91	220	121⅓		151⅔		182		212⅓		242⅔		273		303⅓		333⅔	
“ 15..	97½		130		162½		195		227½		260	119	292½		325		357½	
“ 16..	104		138⅔		173⅓	114	208		242⅔		277⅓		312		346⅔		381⅓	
“ 17.	110½		147⅓		184⅙		221		257⅚		294⅔		331½		368⅓		405⅙	
“ 18..	117		156		195		234		273		312	121	351		390		429	
“ 19..	123½		164⅔		205⅚		247		288⅙		329⅓		370½		411⅔		452⅚	
“ 20..	130		173⅓	114	216⅔	116	260	119	303⅓		346⅔		390		433⅓		476⅔	
“ 21..	136½		182		227½		273		318½		364		409½		455		500½	
“ 22..	143		190⅔		238⅓		286		333⅔		381⅓		429		476⅔		524⅓	
“ 23..	149½		199⅓		249⅙		299		348⅚		398⅔		448½		498⅓		548⅙	
“ 24..	156		208		260	119	312	121	364		416		468		520		572	
14x14..	98	220	130⅔		163⅓		196		228⅔		261⅓		294		326⅔		359⅓	
“ 15..	105	123	140	118	175		210		245		280	119	315		350		385	
“ 16..	112	110	149⅓		186⅔	114	224		261⅓		298⅔		336	121	373⅓		410⅔	
“ 17..	119		158⅔		198⅓		238		277⅔		317⅓		357		396⅔		436⅓	
“ 18..	126	123	168	120	210		252		294		336	121	378		420		462	
“ 19..	133		177⅓		221⅔		266		310⅓		354⅔		399		443⅓		487⅔	
“ 20..	140	118	186⅔		233⅓	117	280	119	326⅔		373⅓		420		466⅔		513⅓	
“ 21..	147		196		245		294		343		392		441		490		539	
“ 22..	154		205⅓		256⅔		308		359⅓		410⅔		462		513⅓		564⅔	
“ 23..	161		214⅔		268⅓		322		375⅔		429⅓		483		536⅔		590⅓	
“ 24..	168	120	224		280	119	336	121	392		448		504		560		616	

See explanations pages 2, 3 and 125.

	Length. 24		Length. 26		Length. 28		Length. 30		Length. 32		Length. 34		Length. 36		Length. 38		Length. 40	
Size.	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
13x13..	338		366⅙		394⅓		422½		450⅔		478⅚		507		535⅙		563⅓	
" 14..	364		394⅓		424⅔		455		485⅓		515⅔		546		576⅓		606⅔	
" 15..	390		422½		455		487½		520		552½		585		617½		650	
" 16..	416		450⅔		485⅓		520		554⅔		589⅓		624		658⅔		693⅓	
" 17..	442		478⅚		515⅔		552½		589⅓		626⅙		663		699⅚		736⅔	
" 18..	468		507		546		585		624		663		702		741		780	
" 19..	494		535⅙		576⅓		617½		658⅔		699⅚		741		782⅙		823⅓	
" 20..	520		563⅓		606⅔		650		693⅓		736⅔		780		823⅓		866⅔	
" 21..	546		591½		637		682½		728		773½		819		864½		910	
" 22..	572		619⅔		667⅓		715		762⅔		810⅓		858		905⅔		953⅓	
" 23..	598		647⅚		697⅔		747½		797⅓		847⅙		897		946⅚		996⅔	
" 24..	624		676		728		780		832		884		936		988		1040	
14x14..	392		424⅔		457⅓		490		522⅔		555⅓		588		620⅔		653⅓	
" 15..	420		455		490		525		560		595		630		665		700	
" 16..	448		485⅓		522⅔		560		597⅓		634⅔		672		709⅓		746⅔	
" 17..	476		515⅔		555⅓		595		634⅔		674⅓		714		753⅔		793⅓	
" 18..	504		546		588		630		672		714		756		798		840	
" 19..	532		576⅓		620⅔		665		709⅓		753⅔		798		842⅓		886⅔	
" 20..	560		606⅔		653⅓		700		746⅔		793⅓		840		886⅔		933⅓	
" 21..	588		637		686		735		784		833		882		931		980	
" 22..	616		667⅓		718⅔		770		821⅓		872⅔		924		975⅓		1026⅔	
" 23..	644		697⅔		751⅓		805		858⅔		912⅓		966		1019⅔		1073	
" 24..	672		728		784		840		896		952		1008		1064		1120	

See explanations pages 2, 3 and 125.

13 14

17

18 to 24

Size.	Length. 6		Length. 8		Length. 10		Length. 12		Length. 14		Length. 16		Length. 18		Length. 20		Length. 22	
	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
15x15..	112½		150	116	187½		225		262½		300	117	337½		375		412½	
" 16..	120	110	160	111	200	116	240	115	280	119	320	119	360	121	400	120	440	
" 17..	127½		170		212½		255		297½		340	119	382½		425		467½	
" 18..	135		180	118	225		270		315		360	121	405		450		495	
" 19..	142½		190		237½		285		332½		380	120	427½		475		522½	
" 20..	150	116	200	116	250	117	300	117	350		400	120	450		500		550	
" 21..	157½		210		262½		315		367½		420		472½		525		577½	
" 22..	165		220	118	275		330		385		440		495		550		605	
" 23..	172½		230		287½		345		402½		460		517½		575		632½	
" 24..	180	118	240	115	300	117	360	121	420		480	122	540		600		660	
16x16..	128	110	170⅔	112	213⅓		256		298⅔		341⅓		384	121	426⅔		469⅓	
" 17..	136	110	181⅓	113	226⅔		272		317⅓		362⅔		408	122	453⅓		498⅔	
" 18..	144	110	192	113	240	115	288	121	336	121	384	121	432	122	480	122	528	
" 19..	152	111	202⅔	113	253⅓		304		354⅔		405⅓		456	122	506⅔		557⅓	
" 20..	160	111	213⅓	113	266⅔		320	119	373⅓		426⅔		480	122	533⅓		586⅔	
" 21..	168	120	224		280	119	336	121	392		448		504		560		616	
" 22..	176		234⅔		293⅓		352		410⅔		469⅓		528		586⅔		645⅓	
" 23..	184		245⅓		306⅔		368		429⅓		490⅔		552		613⅓		674⅔	
" 24..	192	113	256		320	119	384	121	448		512		576		640		704	
17x17..	144½		192⅔		240⅚		289		337⅙		385⅓		433½		481⅔		529⅚	
" 18..	153		204		255		306		357		408		459		510		561	
" 19..	161½		215⅓		269⅙		323		376⅚		430⅔		484½		538⅓		592⅙	
" 20..	170		226⅔		283⅓	117	340	119	396⅔		453¼		510		566⅔		623⅓	
" 21..	178½		238		297½		357		416½		476		535½		595		654½	
" 22..	187		249⅓		311⅔		374		436⅓		498⅔		561		623⅓		685⅔	
" 23..	195½		260⅔		325⅚		391		456⅙		521⅓		586½		651⅔		716⅚	
" 24..	204		272		340	119	408	122	476		544		612		680		748	

See explanations pages 2, 3 and 125.

Note—See pages 160 to 200 for other sizes and lengths. Tables are given for nearly 9,000 sizes and lengths.

Size.	Length. 24		Length. 26		Length. 28		Length. 30		Length. 32		Length. 34		Length. 36		Length. 38		Length. 40	
	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
15x15..	450		487½		525		562½		600		637½		675		712½		750	
" 16..	480	122	520		560		600		640		680		720		760		800	
" 17..	510		552½		595		637½		680		722½		765		807½		850	
" 18..	540		585		630		675		720		765		810		855		900	
" 19..	570		617½		665		712½		760		807½		855		902½		950	
" 20..	600		650		700		750		800		850		900		950		1000	
" 21..	630		682½		735		787½		840		892½		945		997½		1050	
" 22..	660		715		770		825		880		935		990		1045		1100	
" 23..	690		747½		805		862½		920		977½		1035		1092½		1150	
" 24..	720		780		840		900		960		1020		1080		1140		1200	
16x16..	512		554⅔		597⅓		640		682⅔		725⅓		768		810⅔		853⅓	
" 17..	544		589⅓		634⅔		680		725⅓		770⅔		816		861⅓		907⅔	
" 18..	576		624		672		720		768		815		864		912		960	
" 19..	608		658⅔		709⅓		760		810⅔		861⅓		912		962⅔		1013⅓	
" 20..	640		693⅓		746⅔		800		853⅓		906⅔		960		1013⅓		1066⅔	
" 21..	672		728		784		840		896		952		1008		1064		1120	
" 22..	704		762⅔		821⅓		880		938⅔		997⅓		1056		1114⅔		1173⅓	
" 23..	736		797⅓		858⅔		920		981⅓		1024⅔		1104		1165⅓		1226⅔	
" 24..	768		832		896		960		1024		1088		1152		1216		1280	
17x17..	578		626⅙		674⅓		722½		770⅔		818⅚		867		915⅙		963⅓	
" 18..	612		663		714		765		816		867		918		969		1020	
" 19..	646		699⅚		753⅔		807½		861⅓		915⅙		969		1022⅚		1076⅔	
" 20..	680		736⅔		793⅓		850		906⅔		963⅓		1020		1076⅔		1133⅓	
" 21..	714		773½		833		892½		952		1011½		1071		1130½		1190	
" 22..	748		810⅓		872⅔		935		997⅓		1050⅔		1122		1184⅓		1246⅔	
" 23..	782		847⅙		912⅓		977½		1042⅔		1107⅚		1173		1238⅙		1303	
" 24..	816		884		952		1020		1088		1156		1224		1292		1360	

See explanations pages 2, 3 and 125. NOTE—See pages 160 to 190 for other sizes and lengths.

15 to 1
18 to

Size.	Length. 6		Length. 8		Length. 10		Length. 12		Length. 14		Length. 16		Length. 18		Length. 20		Length. 22	
	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
18x18..	162		216	120	270		324		378		432		486		540		594	
“ 19..	171		228		285		342		399		456	122	513		570		627	
“ 20..	180	118	240	115	300	117	360	121	420		480	122	540		600		660	
“ 21..	189		252		315		378		441		504		567		630		693	
“ 22..	198		264	121	330		396		462		528		594		660		726	
“ 23..	207		276		345		414		483		552		621		690		759	
“ 24..	216	120	288	121	360	121	432	122	504		576		648		720		792	
19x19..	180½		240⅔		300⅚		361		421⅙		481⅓		541½		601⅔		661⅚	
“ 20..	190		253⅓	115	316⅔	117	380	120	443⅓		506⅔		570		633⅓		696⅔	
“ 21..	199½		266		332½		399		465½		532		598½		665		731½	
“ 22..	209		278⅔		348⅓		418		487⅔		557⅓		627		696⅔		766⅓	
“ 23..	218½		291⅓		364⅙		437		509⅚		582⅔		655½		784⅓		801⅙	
“ 24..	228		304		380	120	456	122	532		608		684		760		836	
20x20..	200	116	266⅔		333⅓		400	120	466⅔		533⅓		600		666⅔		733⅓	
“ 21..	210		280	119	350		420		490		560		630		700		770	
“ 22..	220	118	293⅓		366⅔		440		513⅓		586⅔		660		733⅓		806⅔	
“ 23..	230		306⅔		383⅓		460		536⅔		613⅓		690		766⅔		843⅓	
“ 24..	240	115	320	119	400	120	480	122	560		640		720		800		880	
21x21..	220½		294		367½		441		514½		588		661½		735		808½	
“ 22..	231		308		385		462		539		616		693		770		847	
“ 23..	241½		322		402½		483		563½		644		724½		805		885½	
“ 24..	252		336	121	420		504		588		672		756		840		924	
22x22..	242		322⅔		403⅓		484		564⅔		645⅓		726		806⅔		887⅓	
“ 23..	253		337⅓		421⅔		506		590⅓		674⅔		759		843⅓		927⅔	
“ 24..	264	121	352		440		528		616		704		792		880		968	
23x23..	264½		352⅔		410⅚		529		617⅙		705⅓		793½		881⅔		969⅚	
“ 24..	276		368		460		552		644		736		828		920		1012	
24x24..	288	121	384	121	480	122	576		672		768		864		960		1056	

See explanation pages 2, 3 and 125.

Size.	Length. 24		Length. 26		Length. 28		Length. 30		Length. 32		Length. 34		Length. 36		Length. 38		Length. 40	
	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
18x18..	648		702		756		810		864		918		972		1026		1080	
“ 19..	684		741		798		855		912		969		1026		1083		1140	
“ 20..	720		780		840		900		960		1020		1080		1140		1200	
“ 21..	756		819		882		945		1008		1071		1134		1197		1260	
“ 22..	792		858		924		990		1056		1122		1188		1254		1320	
“ 23..	828		897		966		1035		1104		1173		1242		1311		1380	
“ 24..	864		936		1008		1080		1152		1224		1296		1368		1440	
19x19..	722		782⅙		842⅓		902½		962⅔		1022⅚		1083		1143⅙		1203⅓	
“ 20..	760		823⅓		886⅔		950		1013⅓		1076⅔		1140		1203⅓		1266⅔	
“ 21..	798		864½		931		997½		1064		1130½		1197		1263½		1330	
“ 22..	836		905⅔		975⅓		1045		1114⅔		1184⅓		1254		1323⅔		1393⅓	
“ 23..	874		946⅚		1019⅔		1092½		1165⅓		1238⅙		1311		1383⅚		1456⅔	
“ 24..	912		988		1064		1140		1216		1292		1368		1444		1520	
20x20..	800		866⅔		933⅓		1000		1066⅔		1133⅓		1200		1266⅔		1333⅓	
“ 21..	840		910		980		1050		1120		1190		1260		1330		1400	
“ 22..	880		953⅓		1026⅔		1100		1173⅓		1246⅔		1320		1393⅓		1466⅔	
“ 23..	920		996⅔		1073⅓		1150		1226⅔		1303⅓		1380		1456⅔		1533⅓	
“ 24..	960		1040		1120		1200		1280		1360		1440		1520		1600	
21x21..	882		955½		1029		1102½		1176		1249½		1323		1396½		1470	
“ 22..	924		1001		1078		1155		1232		1309		1386		1463		1540	
“ 23..	966		1046½		1127		1207½		1288		1368½		1449		1529½		1610	
“ 24..	1008		1092		1176		1260		1344		1428		1512		1596		1680	
22x22..	968		1048⅔		1129⅓		1210		1290⅔		1371⅓		1452		1532⅔		1613⅓	
“ 23..	1012		1096⅓		1180⅔		1265		1349⅓		1433⅔		1518		1602⅓		1686⅔	
“ 24..	1056		1144		1232		1320		1408		1496		1584		1672		1760	
23x23..	1058		1146⅙		1234⅓		1322½		1410⅔		1498⅚		1587		1675⅙		1763⅓	
“ 24..	1104		1196		1288		1380		1472		1564		1656		1748		1840	
24x24..	1152		1248		1344		1440		1536		1632		1728		1824		1920	

See explanations pages 2, 3 and 125.

18 to

Size.	Length. 6		Length. 8		Length. 10		Length. 12		Length. 14		Length. 16		Length. 18		Length. 20		Length. 22	
	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
25x25..	312½		416⅔		520⅚		625		729⅙		833⅓		937½		1041⅔		1145⅚	
26x26..	338		450⅔		563⅓		676		783⅔		901⅓		1014		1126⅔		1239⅓	
27x27..	364½		486		607½		729		850½		972		1093		1215		1336½	
28x28..	392		522⅔		653⅓		784		914⅔		1045⅓		1176		1306⅔		1437⅓	
29x29..	420½		560⅔		700⅚		841		981⅙		1121⅓		1261½		1401⅔		1541⅚	
30x30..	450		600		750		900		1050		1200		1350		1500		1650	

	Length. 24		Length. 26		Length. 28		Length. 30		Length. 32		Length. 34		Length. 36		Length. 38		Length. 40	
Size.	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page	Feet	Page
25x25..	1250		1354⅙		1458⅓		1562½		1666⅔		1770⅚		1875		1979⅙		2083⅓	
26x26..	1352		1464⅔		1577⅓		1690		1802⅔		1915⅓		2028		2140⅔		2253⅓	
27x27..	1455		1579½		1701		1822½		1944		2065½		2187		2308½		2430	
28x28..	1568		1698⅔		1829⅓		1960		2090⅔		2221⅓		2352		2482⅔		2613⅓	
29x29..	1682		1822⅙		1962⅓		2102½		2242⅔		2382⅚		2523		2663⅙		2803	
30x30..	1800		1950		2100		2250		2400		2550		2700		2850		3000	

To find number of feet in greater number of pieces than shown in tables:

To the lower corresponding number or multiple annex one or more ciphers, if there is no fraction; for the fraction ⅙, drop the fraction and annex 1⅔; for ⅚, annex 8⅓, dropping the fraction as before; for ½, annex 5; for ⅓, annex 3⅓; for ⅔, annex 6⅔; for ¼, annex 2½; for ¾, annex 7½.

See pages 2, 3 and 125 for further explanations.

EXPLANATION FOR ALL SIZES, AND UP TO 50 FEET IN LENGTH.

From Page 160 to 200 you will find one of the most valuable features of the work, sizes from 1x1=6 feet up to 8x12=50 feet. Over 8,000 sizes and lengths are given and nearly 900 sizes of the 16 feet alone. For each size the number of Feet is given, and the Page Number, in Buyer and Seller, on which is given Table containing same number of feet, from which you can get exact amount of Feet in any number of pieces you wish to find answer for. To find for any Size and Length wanted turn to Page Length wanted is given on, in the first column of figures on left will be found the Size, in next column the number of Feet in one piece, next column Page number is given for table containing same number of feet from which you can obtain the correct number of Feet in any number of Pieces you may wish to find answer for.

EXAMPLE: Suppose you want to find the number of feet in 87 pieces 2x8½=16, turn to Page 186; run down column for 2 inches to 2x8½, and we find 22⅔ feet in one piece and Page 71 for Table of 22⅔ feet, turn to Page 71, in Buyer and Seller, and Table for 22⅔ feet and we find 87 pieces give 1972 feet, the exact number of feet in 87 pieces, 2x8½=16 feet.

AGAIN: Suppose you wish to find the number of Feet in 28 Pieces 8x12½=16 feet, turn to Page 187, Column for 8 inches. For 8x12½,and we find one piece contains 133⅓ feet, and Page 116 for Table of 133⅓ feet turn to Page 116, and Table for 133⅓ feet, and we find 3733⅓ feet the correct number of Feet for 28 pieces, 8x12½=16 feet.

25 to 3

NOTE: 2½x8=16 has same number of feet as 1x17=16. 8x12½=16 contains same number of feet as 10x10=16, etc., over 8000 sizes are here given, nearly 900 of the 16 foot alone.

See the Odd Lengths in These Tables.

EXAMPLE: Suppose you want to find the number of feet in 63 pieces 2x4=11 feet, turn to page 180, you find that one piece 2x4=11 feet contains 7⅓ feet and page 46 for table of 7⅓ feet; turn to page 46, table for 7⅓ feet, and we find 63 pieces contains 462 feet, the correct answer. See page 98 for further explanations of odd lengths.

1 Foot in Length.

Size.	Feet.	Page.	Size.	Feet	Page.	Size.	Feet	Page.	Size.	Feet.	Page.
1 x 6	½	5	4 x 7	2⅓	8	6 x22	11	46	8 x30	20	53
1 x 8	⅔	5	4 x 7½	2½	9	6 x23	11½	89	8 x32	21⅓	65
1 x10	⅚	5	4 x 8	2⅔	8	6 x24	12	36	9 x10	7½	22
1 x12	1	5	4 x 9	3	10	6 x25	12½	60	9 x12	9	27
1 x14	1⅙	6	4 x10	3⅓	8	6 x26	13	56	9 x14	10½	30
1 x16	1⅓	6	4 x10½	3½	11	6 x27	13½	39	9 x16	12	36
1 x18	1½	6	4 x12	4	12	6 x28	14	50	9 x18	13½	39
1 x20	1⅔	6	4 x13½	4½	13	6 x30	15	44	9 x20	15	44
1 x24	2	7	4 x14	4⅔	17	6 x32	16	51	9 x22	16½	47
1 x28	2⅓	8	4 x15	5	14	6 x33	16½	47	9 x24	18	52
1 x30	2½	9	4 x16	5⅓	18	7 x 8	4⅔	17	9 x26	19½	57
1 x32	2⅔	8	4 x18	6	19	7 x10	5⅚	22	9 x28	21	59
2 x 3	½	5	4 x20	6⅔	20	7 x12	7	25	9 x30	22½	61
2 x 4	⅔	5	4 x21	7	25	7 x14	8⅙	30	9 x32	24	55
2 x 5	⅚	5	4 x22	7⅓	46	7 x16	9⅓	34	10 x10	8⅓	22
2 x 6	1	5	4 x24	8	26	7 x18	10½	30	10 x12	10	28
2 x 7	1⅙	6	4 x25	8⅓	22	7 x20	11⅔	42	10 x13	10⅚	56
2 x 8	1⅓	6	4 x27	9	27	7 x24	14	50	10 x14	11⅔	42
2 x 9	1½	6	4 x30	10	28	7 x22	12⅚	47	10 x15	12½	60
2 x10	1⅔	6	4 x32	10⅔	35	7 x26	15⅙	57	10 x16	13⅓	37
2 x12	2	7	5 x 6	2½	9	7 x28	16⅓	59	10 x17	14⅙	70
2 x14	2⅓	8	5 x 8	3⅓	8	7 x30	17½	61	10 x18	15	44
2 x15	2½	9	5 x10	4⅙	21	7 x32	18⅔	64	10 x19	15⅚	74
2 x16	2⅔	8	5 x12	5	14	8 x 8	5⅓	18	10 x20	16⅔	45
2 x18	3	10	5 x14	5⅚	22	8 x 8¼	5½	46	10 x21	17½	61
2 x20	3⅓	8	5 x16	6⅔	20	8 x 9	6	19	10 x22	18⅓	47
2 x21	3½	11	5 x18	7½	22	8 x 9¾	6½	56	10 x23	19⅙	89
2 x24	4	12	5 x20	8⅓	22	8 x10	6⅔	20	10 x24	20	53
2 x25	4⅙	21	5 x22	9⅙	46	8 x10½	7	25	10 x26	21⅔	57
2 x28	4⅔	17	5 x24	10	28	8 x11	7⅓	46	10 x27	22½	61
2 x30	5	14	5 x26	10⅚	56	8 x11¼	7½	22	10 x28	23⅓	78
2 x32	5⅓	18	5 x28	11⅔	42	8 x12	8	26	10 x30	25	61
3 x 4	1	5	5 x30	12½	60	8 x12½	8⅓	22	10 x32	26⅔	67
3 x 6	1½	6	5 x32	13⅓	37	8 x13½	9	27	11 x12	11	46
3 x 8	2	7	6 x 6	3	10	8 x14	9⅓	34	11 x14	12⅚	47
3 x10	2½	9	6 x 7	3½	11	8 x14¼	9½	74	11 x16	14⅔	47
3 x12	3	10	6 x 8	4	12	8 x15	10	28	11 x18	16½	47
3 x14	3½	11	6 x 9	4½	13	8 x16	10⅔	35	11 x20	18⅓	47
3 x16	4	12	6 x10	5	14	8 x17	11⅓	70	11 x24	22	54
3 x18	4½	13	6 x11	5½	46	8 x18	12	36	11 x28	25⅔	88
3 x20	5	14	6 x12	6	19	8 x19	12⅔	74	12 x12	12	36
3 x22	5½	46	6 x13	6½	56	8 x20	13⅓	37	12 x13	13	56
3 x24	6	19	6 x14	7	25	8 x21	14	50	12 x14	14	50
3 x26	6½	56	6 x15	7½	22	8 x22	14⅔	47	12 x15	15	44
3 x28	7	25	6 x16	8	26	8 x23	15⅓	89	12 x16	16	51
3 x30	7½	22	6 x17	8½	70	8 x24	16	51	12 x17	17	70
4 x 4	1⅓	6	6 x18	9	27	8 x25	16⅔	45	12 x18	18	52
4 x 4½	1½	6	6 x19	9½	74	8 x26	17⅓	57	12 x19	19	74
4 x 5	1⅔	6	6 x20	10	28	8 x27	18	52	12 x19½	19½	57
4 x 6	2	7	6 x21	10½	30	8 x28	18⅔	64	12 x20	20	58

See explanation page 159.

1 Foot in Length.

Size.	Feet.	Page.
12 x21	21	59
12 x22	22	54
12 x23	23	89
12 x24	24	55
12 x25	25	61
12 x26	26	206
12 x27	27	73
12 x28	28	93
12 x29	29	206
12 x30	30	80
12 x31	31	208
12 x32	32	69
12 x33	33	88
12 x34	34	208
12 x35	35	86
12 x36	36	95
13 x14	15⅙	57
13 x16	17⅓	57
13 x18	19½	57
13 x20	21⅔	57
13 x24	26	206
13 x36	39	208
14 x14	16⅓	59
14 x15	17½	61
14 x16	18⅔	64
14 x17	19⅚	71
14 x18	21	59
14 x20	23⅓	78
14 x21	24½	86
14 x22	25⅔	88
14 x23	26⅚	90
14 x24	28	93
14 x27	31½	86
14 x28	32⅔	99
14 x30	35	86
15 x16	20	53
15 x18	22½	61
15 x20	25	61
15 x24	30	80
15 x28	35	86
16 x16	21⅓	65
16 x18	24	55
16 x20	26⅔	67
16 x21	28	93
16 x22	29⅓	68
16 x23	30⅔	90
16 x24	32	69
16 x25	33⅓	81
16 x27	36	95
16 x28	37⅓	99
16 x30	40	83
17 x24	34	208
18 x18	27	73
18 x20	30	80
18 x22	33	88
18 x23	34½	90
18 x24	36	95
18 x26	39	208
18 x28	42	99
18 x30	45	103
19 x24	38	208
20 x20	33⅓	81
20 x21	35	86
20 x22	36⅔	82
20 x24	40	83
20 x26	43⅓	83
20 x27	45	103
20 x28	46⅔	84
20 x30	50	84
21 x27	47¼	123
21 x28	49	210
21 x30	52½	123
22 x24	44	96
22 x28	51⅓	100
22 x30	55	104
23 x24	46	210
24 x24	48	97
24 x25	50	84
24 x26	52	97
24 x27	54	106
24 x28	56	98
24 x29	58	212
24 x30	60	98
26 x30	65	104
26 x28	60⅔	100
27 x28	63	123
28 x30	70	101
30 x30	75	105
30 x32	80	109
1¼x 8	⅚	5
1¼x16	1⅔	6
1¼x24	2½	9
1½x 4	½	5
1½x 8	1	5
1½x12	1½	6
1½x16	2	7
1½x20	2½	9
1½x24	3	10
1½x28	3½	11
1½x32	4	12
1¾x 8	1⅙	6
1¾x16	2⅓	8
1¾x24	3½	11
1¾x32	4⅔	17
2¼x 8	1½	6
2¼x24	4½	13
2½x 4	⅚	5
2½x 8	1⅔	6
2½x12	2½	9
2½x16	3⅓	8
2½x20	4⅙	21
2½x24	5	14
2½x32	6⅔	20
3½x 4	1⅙	6
3½x 8	2⅓	8
3½x12	3½	11
3½x16	4⅔	17
3½x20	5⅚	22
3½x24	7	25
3¾x 8	2½	9
3¾x16	5	14
3¾x24	7½	22
4½x 8	3	10
4½x12	4½	13
4½x16	6	19
4½x24	9	27
5¼x 8	3½	11
5¼x16	7	25
5¼x24	10½	30
5¼x32	14	50
5½x12	5½	46
5½x16	7⅓	46
5½x24	11	46
5½x32	14⅔	47
6¾x 8	4½	13
6¾x16	9	27
6¾x24	13½	39
6¾x32	18	52
7½x 8	5	14
7½x12	7½	22
7½x16	10	28
7½x24	15	44
7½x32	20	53
8½x12	8½	70
8½x24	17	70
8½x32	22⅔	71
9½x12	9½	74
9½x24	19	74
9½x32	25⅓	75
10½x12	10½	30
10½x24	21	59
10½x32	28	93
11¼x24	22½	61
11¼x32	30	80
11½x12	11½	89
11½x24	23	89
11½x32	30⅔	90

2 Feet.

Size.	Feet.	Page.
1 x 3	½	5
1 x 4	⅔	5
1 x 5	⅚	5
1 x 6	1	5
1 x 7	1⅙	6
1 x 8	1⅓	6
1 x 9	1½	6
1 x10	1⅔	6
1 x12	2	7
1 x14	2⅓	8
1 x15	2½	9
1 x16	2⅔	8
1 x18	3	10
1 x20	3⅓	8
1 x21	3½	11
1 x24	4	12
1 x25	4⅙	21
1 x27	4½	13
1 x28	4⅔	17
1 x30	5	14
1 x32	5⅓	18
2 x 2	⅔	5
2 x 2½	⅚	5
2 x 3	1	5
2 x 3½	1⅙	6
2 x 4	1⅓	6
2 x 4½	1½	6
2 x 5	1⅔	6
2 x 6	2	7
2 x 7	2⅓	8
2 x 7½	2½	9
2 x 8	2⅔	8
2 x 9	3	10
2 x10	3⅓	8
2 x10½	3½	11
2 x12	4	12
2 x12½	4⅙	21
2 x13½	4½	13
2 x14	4⅔	17
2 x15	5	14
2 x16	5⅓	18

See explanation page 159.

1 ft.
2 ft.

2 Feet in Length.

Size.	Feet.	Page	Size.	Feet.	Page	Size.	Feet.	Page.	Size.	Feet.	Page.
2 x18	6	19	4 x 9	6	19	5 x24	20	53	7 x12	14	50
2 x21	7	25	4 x 9¾	6½	56	5 x26	21⅔	57	7 x13	15⅙	57
2 x22	7⅓	46	4 x10	6⅔	20	5 x28	23⅓	78	7 x14	16⅓	59
2 x24	8	26	4 x10½	7	25	5 x30	25	61	7 x15	17½	61
2 x25	8⅓	22	4 x11	7⅓	46	5 x32	26⅔	67	7 x16	18⅔	64
2 x26	8⅔	56	4 x11¼	7½	22	6 x 6	6	19	7 x17	19⅚	71
2 x27	9	27	4 x12	8	26	6 x 6½	6½	56	7 x18	21	59
2 x28	9⅓	34	4 x12¼	8⅙	30	6 x 7	7	25	7 x19	22⅙	75
2 x30	10	28	4 x12½	8⅓	22	6 x 7½	7½	22	7 x20	23⅓	78
2 x32	10⅔	35	4 x12¾	8½	70	6 x 8	8	26	7 x21	24½	86
3 x 3	1½	6	4 x13	8⅔	56	6 x 8½	8½	70	7 x22	25⅔	88
3 x 4	2	7	4 x13½	9	27	6 x 9	9	27	7 x23	26⅚	90
3 x 5	2½	9	4 x13¾	9⅙	46	6 x 9½	9½	74	7 x24	28	93
3 x 6	3	10	4 x14	9⅓	34	6 x10	10	28	7 x27	31½	86
3 x 7	3½	11	4 x14¼	9½	74	6 x10½	10½	30	7 x28	32⅔	99
3 x 8	4	12	4 x15	10	28	6 x11	11	46	7 x30	35	86
3 x 9	4½	13	4 x16	10⅔	35	6 x11½	11½	89	8 x 8	10⅔	35
3 x10	5	14	4 x17	11⅓	70	6 x12	12	36	8 x 8¼	11	46
3 x11	5½	46	4 x18	12	36	6 x12½	12½	60	8 x 8½	11⅓	70
3 x12	6	19	4 x19	12⅔	74	6 x13	13	56	8 x 8¾	11⅔	42
3 x13	6½	56	4 x20	13⅓	37	6 x13½	13½	39	8 x 9	12	36
3 x14	7	25	4 x21	14	50	6 x14	14	50	8 x 9½	12⅔	74
3 x15	7½	22	4 x22	14⅔	47	6 x15	15	44	8 x 9¾	13	56
3 x16	8	26	4 x23	15⅓	89	6 x16	16	51	8 x10	13⅓	37
3 x17	8½	70	4 x24	16	51	6 x16½	16½	47	8 x10½	14	50
3 x18	9	27	4 x25	16⅔	45	6 x17	17	70	8 x11	14⅔	47
3 x19	9½	74	4 x26	17⅓	57	6 x17½	17½	61	8 x11¼	15	44
3 x20	10	28	4 x27	18	52	6 x18	18	52	8 x11½	15⅓	89
3 x21	10½	30	4 x28	18⅔	64	6 x19	19	74	8 x12	16	51
3 x22	11	46	4 x30	20	53	6 x19½	19½	57	8 x12¼	16⅓	59
3 x23	11½	89	4 x32	21⅓	65	6 x20	20	53	8 x12½	16⅔	45
3 x24	12	36	5 x 5	4⅙	21	6 x21	21	59	8 x12¾	17	70
3 x25	12½	60	5 x 6	5	14	6 x22	22	54	8 x13	17⅓	57
3 x26	13	56	5 x 7	5⅚	22	6 x22½	22½	61	8 x13½	18	52
3 x27	13½	39	5 x 8	6⅔	20	6 x23	23	89	8 x13¾	18⅓	47
3 x28	14	50	5 x 9	7½	22	6 x24	24	55	8 x14	18⅔	64
3 x30	15	44	5 x10	8⅓	22	6 x24½	24½	86	8 x14¼	19	74
3 x32	16	51	5 x11	9⅙	46	6 x27	27	73	8 x15	20	53
4 x 4	2⅔	8	5 x12	10	28	6 x28	28	93	8 x16	21⅓	65
4 x 4½	3	10	5 x13	10⅚	56	6 x28½	28½	75	8 x17	22⅔	71
4 x 5	3⅓	8	5 x14	11⅔	42	6 x29	29	206	8 x18	24	55
4 x 5¼	3½	11	5 x15	12½	60	6 x30	30	80	8 x19	25⅓	75
4 x 6	4	12	5 x16	13⅓	37	6 x31	31	208	8 x20	26⅔	67
4 x 6¼	4⅙	21	5 x17	14⅙	70	6 x31½	31½	86	8 x21	28	93
4 x 6¾	4½	13	5 x18	15	44	6 x32	32	69	8 x22	29⅓	68
4 x 7	4⅔	17	5 x19	15⅚	74	7 x 7	8⅙	30	8 x23	30⅔	90
4 x 7½	5	14	5 x20	16⅔	45	7 x 8	9⅓	34	8 x24	32	69
4 x 8	5⅓	18	5 x21	17½	61	7 x 9	10½	30	8 x25	33⅓	81
4 x 8¼	5½	46	5 x22	18⅓	47	7 x10	11⅔	42	8 x27	36	95
4 x 8¾	5⅚	22	5 x23	19⅙	89	7 x11	12⅚	47	8 x28	37⅓	99

See explanation page 159.

2 Feet in Length.

Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet	Page.
8 x30	40	83	12 x12¼	24½	86	15 x28	70	101	30 x30	150	116
9 x 9	13½	39	12 x12½	25	61	15 x30	75	105	30 x32	160	111
9 x10	15	44	12 x12¾	25½	71	16 x18	48	97	32 x32	170⅔	112
9 x11	16½	47	12 x13	26	206	16 x21	56	98	1¼x 4	⅚	5
9 x12	18	52	12 x13½	27	73	16 x24	64	109	1¼x 8	1⅔	6
9 x13	19½	57	12 x14	28	93	16 x27	72	107	1¼x12	2½	9
9 x14	21	59	12 x14¼	28½	75	16 x28	74⅔	111	1¼x16	3⅓	8
9 x15	22½	61	12 x14½	29	206	16 x30	80	109	1¼x20	4⅙	21
9 x16	24	55	12 x15	30	80	17 x18	51	212	1¼x24	5	14
9 x18	27	73	12 x16	32	69	17 x24	68	214	1¼x28	5⅚	22
9 x19	28½	75	12 x17	34	208	17 x30	85	218	1½x 2	½	5
9 x20	30	80	12 x18	36	95	18 x18	54	106	1½x 4	1	5
9 x21	31½	86	12 x19	38	208	18 x19	57	212	1½x 6	1½	6
9 x22	33	88	12 x20	40	83	18 x20	60	98	1½x 8	2	7
9 x23	34½	90	12 x21	42	99	18 x21	63	123	1½x10	2½	9
9 x24	36	95	12 x22	44	96	18 x22	66	107	1½x12	3	10
9 x26	39	208	12 x23	46	210	18 x23	69	214	1½x14	3½	11
9 x28	42	99	12 x24	48	97	18 x24	72	107	1½x16	4	12
9 x30	45	103	12 x25	50	84	18 x25	75	105	1½x18	4½	13
10 x10	16⅔	45	12 x26	52	97	18 x26	78	107	1½x20	5	14
10 x10½	17½	61	12 x27	54	106	18 x27	81	218	1½x24	6	19
10 x11	18⅓	47	12 x28	56	98	18 x28	84	108	1½x28	7	25
10 x11½	19⅙	89	12 x29	58	212	18 x29	87	218	1½x32	8	26
10 x12	20	53	12 x30	60	98	18 x30	90	108	1¾x 8	2⅓	8
10 x13	21⅔	57	13 x18	39	208	19 x24	76	216	1¾x12	3½	11
10 x13½	22½	61	13 x20	43⅓	83	19 x30	95	220	1¾x16	4⅔	17
10 x14	23⅓	78	13 x24	52	97	20 x21	70	101	1¾x24	7	25
10 x15	25	61	13 x28	60⅔	100	20 x24	80	109	1¾x32	9⅓	34
10 x16	26⅔	67	13 x30	65	104	20 x27	90	108	2¼x 8	3	10
10 x17	28⅓	71	14 x14	32⅔	99	20 x28	93⅓	113	2¼x12	4½	13
10 x18	30	80	14 x15	35	86	20 x30	100	115	2¼x16	6	19
10 x19	31⅔	75	14 x16	37⅓	99	21 x22	77	216	2¼x24	9	27
10 x20	33⅓	81	14 x18	42	99	21 x24	84	108	2¼x32	12	36
10 x21	35	86	14 x20	46⅔	84	21 x25	87½	102	2½x 4	1⅔	6
10 x22	36⅔	82	14 x21	49	210	21 x26	91	220	2½x 6	2½	9
10 x23	38⅓	90	14 x22	51⅓	100	21 x27	94½	123	2½x 8	3⅓	8
10 x24	40	83	14 x24	56	98	21 x28	98	220	2½x12	5	14
10 x26	43⅓	83	14 x25	58⅓	101	21 x30	105	123	2½x14	5⅚	22
10 x27	45	103	14 x26	60⅔	100	21 x32	112	110	2½x16	6⅔	20
10 x28	46⅔	84	14 x27	63	123	22 x24	88	109	2½x18	7½	22
10 x30	50	84	14 x28	65⅓	100	22 x27	99	220	2½x20	8⅓	22
11 x12	22	54	14 x30	70	101	23 x24	92	220	2½x22	9⅙	46
11 x14	25⅔	88	14 x32	74⅔	111	24 x24	96	110	2½x24	10	28
11 x16	29⅓	68	15 x16	40	83	24 x25	100	115	2½x26	10⅚	56
11 x18	33	88	15 x18	45	103	24 x26	104	110	2½x28	11⅔	42
11 x20	36⅔	82	15 x20	50	84	24 x28	112	110	2½x30	12½	60
11 x24	44	96	15 x21	52½	123	24 x30	120	110	2½x32	13⅓	37
11 x28	51⅓	100	15 x22	55	104	25 x28	116⅔	115	2¾x12	5½	46
11 x30	55	104	15 x24	60	98	27 x28	126	123	2¾x24	11	46
12 x12	*24*	*55*	15 x26	65	104	28 x30	140	118	2¾x36	16½	47

See explanation page 159.

2 Feet in Length.

Size.	Feet.	Page.	Size.	Feet.	Page
3¼x12	6½	56	6¼x12	12½	60
3¼x24	13	56	6¼x24	25	61
3½x 4	2⅓	8	6½x 8	8⅔	56
3½x 6	3½	11	6½x10	10⅚	56
3½x 8	4⅔	17	6½x12	13	56
3½x10	5⅚	22	6½x14	15⅙	57
3½x12	7	25	6½x16	17⅓	57
3½x16	9⅓	34	6½x20	21⅔	57
3½x20	11⅔	42	6½x24	26	206
3½x24	14	50	6¾x 8	9	27
3½x28	16⅓	59	6¾x12	13½	39
3½x30	17½	61	6¾x16	18	52
3½x32	18⅔	64	6¾x24	27	73
3¾x 4	2½	9	7½x 8	10	28
3¾x 8	5	14	7½x10	12½	60
3¾x12	7½	22	7½x12	15	44
3¾x16	10	28	7½x14	17½	61
3¾x20	12½	60	7½x16	20	53
3¾x24	15	44	7½x20	25	61
3¾x28	17½	61	7½x24	30	80
3¾x32	20	53	7½x28	35	86
4¼x12	8½	70	7½x32	40	83
4¼x24	17	70	8¼x12	16½	47
4½x 6	4½	13	8¼x24	33	88
4½x 8	6	19	8½x10	14⅙	70
4½x10	7½	22	8½x12	17	70
4½x12	9	27	8½x14	19⅚	71
4½x14	10½	30	8½x20	28⅓	71
4½x16	12	36	8½x24	34	208
4½x18	13½	39	8¾x12	17½	61
4½x20	15	44	8¾x24	35	86
4½x22	16½	47	9½x10	15⅚	74
4½x24	18	52	9½x12	19	74
4½x26	19½	57	9½x14	22⅙	75
4½x28	21	59	10½x12	21	59
4½x30	22½	61	10½x14	24½	86
4½x32	24	55	11¼x12	22½	61
5¼x 8	7	25	13½x14	31½	86
5¼x12	10½	30			
5¼x16	14	50			
5¼x24	21	59			
5½x 6	5½	46			
5½x 8	7⅓	46			
5½x12	11	46			
5½x14	12⅚	47			
5½x16	14⅔	47			
5½x18	16½	47			
5½x20	18⅓	47			
5½x24	*22*	*54*			
5½x28	*25⅔*	*88*			

3 Feet.

1 x 2	½	5
1 x 4	1	5
1 x 6	1½	6
1 x 8	2	7
1 x10	2½	9
1 x12	3	10
1 x14	3½	11
1 x16	4	12
1 x18	4½	13
1 x20	5	14

3 Feet in Length.

Size.	Feet.	Page	Size.	Feet.	Page.
1 x22	5½	46	4 x10	10	28
1 x24	6	19	4 x10½	10½	30
2 x 2	1	5	4 x11	11	46
2 x 3	1½	6	4 x11½	11½	89
2 x 4	2	7	4 x12	12	36
2 x 5	2½	9	4 x12½	12½	60
2 x 6	3	10	4 x13	13	56
2 x 7	3½	11	4 x13½	13½	39
2 x 8	4	12	4 x14	14	50
2 x 9	4½	13	4 x15	15	44
2 x10	5	14	4 x16	16	51
2 x11	5½	46	4 x17	17	70
2 x12	6	19	4 x18	18	52
2 x13	6½	56	4 x19	19	74
2 x14	7	25	4 x20	20	53
2 x15	7½	22	4 x21	21	59
2 x16	8	26	4 x22	22	54
2 x17	8½	70	4 x23	23	89
2 x18	9	27	4 x24	24	55
2 x19	9½	74	4 x25	25	61
2 x20	10	28	4 x26	26	206
2 x21	10½	30	4 x27	27	73
2 x22	11	46	4 x28	28	93
2 x23	11½	89	4 x29	29	206
2 x24	12	36	4 x30	30	80
3 x 4	3	10	5 x 6	7½	22
3 x 6	4½	13	5 x 8	10	28
3 x 8	6	19	5 x10	12½	60
3 x10	7½	22	5 x12	15	44
3 x12	9	27	5 x14	17½	61
3 x14	10½	30	5 x16	20	53
3 x16	12	36	5 x18	22½	61
3 x18	13½	39	5 x20	25	61
3 x20	15	44	5 x24	30	80
3 x22	16½	47	5 x28	35	86
3 x24	18	52	6 x 6	9	27
3 x26	19½	57	6 x 7	10½	30
3 x28	21	59	6 x 8	12	36
4 x 4	4	12	6 x 9	13½	39
4 x 4½	4½	13	6 x10	15	44
4 x 5	5	14	6 x11	16½	47
4 x 5½	5½	46	6 x12	18	52
4 x 6	6	19	6 x13	19½	57
4 x 6½	6½	56	6 x14	21	59
4 x 7	7	25	6 x15	22½	61
4 x 7½	7½	22	6 x16	24	55
4 x 8	8	26	6 x17	25½	71
4 x 8½	8½	70	6 x18	27	73
4 x 9	9	27	6 x19	28½	75
4 x 9½	9½	74	6 x20	30	80

See explanation page 159.

3 Feet in Length.

Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet	Page.	Size.	Feet.	Page.
6 x21	31½	86	8 x27	54	106	14 x14	49	210	1¼x24	7½	22
6 x22	33	88	8 x28	56	98	14 x15	52½	123	1¼x32	10	28
6 x23	34½	90	8 x29	58	212	14 x16	56	98	1½x 4	1½	6
6 x24	36	95	8 x30	60	98	14 x18	63	123	1½x 8	3	10
6 x26	39	208	9 x10	22½	61	14 x20	70	101	1½x12	4½	13
6 x28	42	99	9 x12	27	73	14 x21	73½	123	1½x16	6	19
6 x30	45	103	9 x14	31½	86	14 x22	77	216	1½x20	7½	22
7 x 8	14	50	9 x16	36	95	14 x24	84	108	1½x24	9	27
7 x10	17½	61	9 x20	45	103	14 x25	87½	102	1½x28	10½	30
7 x12	21	59	9 x24	54	106	14 x26	91	220	1½x32	12	36
7 x14	24½	86	9 x28	63	123	14 x27	94½	123	1¾x 8	3½	11
7 x16	28	93	10 x10	25	61	14 x28	98	220	1¾x16	7	25
7 x18	31½	86	10 x12	30	80	14 x30	105	123	1¾x24	10½	30
7 x20	35	86	10 x14	35	86	15 x16	60	98	1¾x32	14	50
7 x24	42	99	10 x16	40	83	15 x20	75	105	2¼x 8	4½	13
7 x28	49	210	10 x18	45	103	15 x24	90	108	2¼x16	9	27
7 x30	52½	123	10 x20	50	84	15 x28	105	123	2¼x24	13½	39
8 x 8	16	51	10 x21	52½	123	16 x16	64	109	2¼x32	18	52
8 x 8¼	16½	47	10 x22	55	104	16 x17	68	214	2½x 4	2½	9
8 x 8½	17	70	10 x24	60	98	16 x18	72	107	2½x 8	5	14
8 x 8¾	17½	61	10 x26	65	104	16 x19	76	216	2½x12	7½	22
8 x 9	18	52	10 x28	70	101	16 x20	80	109	2½x16	10	28
8 x 9½	19	74	10 x30	75	105	16 x21	84	108	2½x20	12½	60
8 x 9¾	19½	57	11 x12	33	88	16 x22	88	109	2½x24	15	44
8 x10	20	53	11 x16	44	96	16 x23	92	220	2½x28	17½	61
8 x10½	21	59	11 x20	55	104	16 x24	96	110	2½x32	20	53
8 x11	22	54	11 x24	66	107	16 x25	100	115	2¾x 8	5½	46
8 x11¼	22½	61	11 x28	77	216	16 x26	104	110	2¾x16	11	46
8 x11½	23	89	12 x12	36	95	16 x28	112	110	2¾x24	16½	47
8 x12	24	55	12 x13	39	208	16 x30	120	110	2¾x32	22	54
8 x12¼	24½	86	12 x14	42	99	17 x20	85	218	3¼x 8	6½	56
8 x12½	25	61	12 x15	45	103	18 x18	81	218	3¼x16	13	56
8 x12¾	25½	71	12 x16	48	97	18 x20	90	108	3¼x24	19½	57
8 x13	26	206	12 x17	51	212	18 x21	94½	123	3¼x32	26	206
8 x13½	27	73	12 x18	54	106	18 x22	99	220	3½x 4	3½	11
8 x14	28	93	12 x19	57	212	18 x28	126	123	3½x 8	7	25
8 x14¼	28½	75	12 x20	60	98	19 x20	95	220	3½x12	10½	30
8 x14½	29	206	12 x21	63	123	20 x20	100	115	3½x16	14	50
8 x15	30	80	12 x22	66	107	20 x21	105	123	3½x24	21	59
8 x16	32	69	12 x23	69	214	20 x24	120	110	3½x28	24½	86
8 x17	34	208	12 x24	72	107	20 x28	140	118	3½x32	28	93
8 x18	36	95	12 x25	75	105	20 x30	150	116	3¾x 8	7½	22
8 x19	38	208	12 x26	78	107	21 x24	126	123	3¾x16	15	44
8 x20	40	83	12 x27	81	218	24 x24	144	110	3¾x24	22½	61
8 x21	42	99	12 x28	84	108	24 x25	150	116	3¾x32	30	80
8 x22	44	96	12 x29	87	218	24 x28	168	120	4¼x 8	8½	70
8 x23	46	210	12 x30	90	108	24 x30	180	118	4¼x16	17	70
8 x24	48	97	13 x16	52	97	24 x32	192	113	4¼x24	25½	71
8 x25	50	84	13 x24	78	107	1¼x 8	2½	9	4¼x32	34	208
8 x26	52	97	13 x28	91	220	1¼x16	5	14	4½x 8	9	27

See explanation page 159.

3 ft.
4 ft.
5 ft.
6 ft.
& 8 ft
9 ft.
10 ft.
11 & 12
7 ft.
ft.
& 20 ft
21 ft.
to
to
to

3 Feet in Length.

Size.	Feet.	Page.
4½x12	13½	39
4½x16	18	52
4½x24	27	73
4½x32	36	95
4¾x 8	9½	74
4¾x16	19	74
5¼x 8	10½	30
5¼x16	21	59
5¼x24	31½	86
5½x 8	11	46
5½x12	16½	47
5½x16	22	54
5½x24	33	88
6¼x 8	12½	60
6¼x16	25	61
6½x 8	13	56
6½x12	19½	57
6½x16	26	206
6½x24	39	208
6¾x 8	13½	39
6¾x16	27	73
7½x 8	15	44
7½x12	22½	61
7½x16	30	80
7½x24	45	103
8½x12	25½	71
8½x24	51	212
9½x12	28½	75
9½x24	57	212
10½x12	31½	86
10½x24	63	123
11½x12	34½	90

4 Feet.

Size.	Feet.	Page.
1 x 1½	½	5
1 x 2	⅔	5
1 x 2½	⅚	5
1 x 3	1	5
1 x 3½	1⅙	6
1 x 4	1⅓	6
1 x 4½	1½	6
1 x 5	1⅔	6
1 x 6	2	7
1 x 7	2⅓	8
1 x 7½	2½	9
1 x 8	2⅔	8
1 x 9	3	10
1 x10	3⅓	8
1 x10½	*3½*	*11*
1 x12	*4*	*12*

4 Feet in Length.

Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.
1 x12½	4⅙	21	2 x23	15⅓	89	4 x 5½	7⅓	46
1 x13½	4½	13	2 x24	16	51	4 x 6	8	26
1 x14	4⅔	17	2 x25	16⅔	45	4 x 6¼	8⅓	22
1 x15	5	14	2 x26	17⅓	57	4 x 6½	8⅔	56
1 x16	5⅓	18	2 x27	18	52	4 x 6¾	9	27
1 x18	6	19	2 x28	18⅔	64	4 x 7	9⅓	34
1 x20	6⅔	20	2 x30	20	53	4 x 7½	10	28
1 x22	7⅓	46	3 x 3	3	10	4 x 8	10⅔	35
1 x24	8	26	3 x 3½	3½	11	4 x 8¼	11	46
2 x 2	1⅓	6	3 x 4	4	12	4 x 8½	11⅓	70
2 x 2¼	1½	6	3 x 4½	4½	13	4 x 8¾	11⅔	42
2 x 2½	1⅔	6	3 x 5	5	14	4 x 9	12	36
2 x 3	2	7	3 x 5½	5½	46	4 x 9½	12⅔	74
2 x 3½	2⅓	8	3 x 6	6	19	4 x 9¾	13	56
2 x 3¾	2½	9	3 x 6½	6½	56	4 x10	13⅓	37
2 x 4	2⅔	8	3 x 7	7	25	4 x10½	14	50
2 x 4½	3	10	3 x 7½	7½	22	4 x11	14⅔	47
2 x 5	3⅓	8	3 x 8	8	26	4 x11¼	15	44
2 x 5¼	3½	11	3 x 8½	8½	70	4 x11½	15⅓	89
2 x 6	4	12	3 x 9	9	27	4 x12	16	51
2 x 6¼	4⅙	21	3 x 9½	9½	74	4 x12¼	16⅓	59
2 x 6¾	4½	13	3 x10	10	28	4 x12½	16⅔	45
2 x 7	4⅔	17	3 x10½	10½	30	4 x12¾	17	70
2 x 7½	5	14	3 x11	11	46	4 x13	17⅓	57
2 x 8	5⅓	18	3 x11½	11½	89	4 x13½	18	52
2 x 8¼	5½	46	3 x12	12	36	4 x13¾	18⅓	47
2 x 8¾	5⅚	22	3 x12½	12½	60	4 x14	18⅔	64
2 x 9	6	19	3 x13	13	56	4 x14¼	19	74
2 x 9¾	6½	56	3 x13½	13½	39	4 x15	20	53
2 x10	6⅔	20	3 x14	14	50	4 x16	21⅓	65
2 x10½	7	25	3 x15	15	44	4 x17	22⅔	71
2 x11	7⅓	46	3 x16	16	51	4 x18	24	55
2 x11¼	7½	22	3 x17	17	70	4 x19	25⅓	75
2 x12	8	26	3 x18	18	52	4 x20	26⅔	67
2 x12¼	8⅙	30	3 x19	19	74	4 x21	28	93
2 x12½	8⅓	22	3 x20	20	53	4 x22	29⅓	68
2 x12¾	8½	70	3 x21	21	59	4 x23	30⅔	90
2 x13	8⅔	56	3 x22	22	54	4 x24	32	69
2 x13½	9	27	3 x23	23	89	4 x25	33⅓	81
2 x13¾	9⅙	46	3 x24	24	55	4 x27	36	95
2 x14	9⅓	34	3 x25	25	61	4 x28	37⅓	99
2 x14¼	9½	74	3 x26	26	206	4 x30	40	83
2 x15	10	28	3 x27	27	73	5 x 5	8⅓	22
2 x16	10⅔	35	3 x28	28	93	5 x 6	10	28
2 x17	11⅓	70	3 x29	29	206	5 x 6½	10⅚	56
2 x18	12	36	3 x30	30	80	5 x 7	11⅔	42
2 x19	12⅔	74	4 x 4	5⅓	18	5 x 7½	12½	60
2 x20	13⅓	37	4 x 4½	6	19	5 x 8	13⅓	37
2 x21	14	50	4 x 5	6⅔	20	5 x 8½	14⅙	70
2 x22	14⅔	47	4 x 5¼	7	25	5 x 9	15	44

See explanation page 159.

4 Feet in Length.

Size.	Feet.	Page.	Size.	Feet	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.
5 x 9½	15⅝	74	6 x17	34	208	8 x12	32	69	10 x21	70	101
5 x10	16⅔	45	6 x18	36	95	8 x12¼	32⅔	99	10 x24	80	109
5 x10½	17½	61	6 x19	38	208	8 x12½	33⅓	81	10 x27	90	108
5 x11	18⅓	47	6 x20	40	83	8 x12¾	34	208	10 x28	93⅓	113
5 x12	20	53	6 x21	42	99	8 x13½	36	95	10 x30	100	115
5 x13	21⅔	57	6 x22	44	96	8 x13¾	36⅔	82	11 x12	44	96
5 x13½	22½	61	6 x23	46	210	8 x14	37⅓	99	11 x14	51⅓	100
5 x14	23⅓	78	6 x24	48	97	8 x14¼	38	208	11 x15	55	104
5 x15	25	61	6 x25	50	84	8 x15	40	83	11 x18	66	107
5 x16	26⅔	67	6 x26	52	97	8 x18	48	97	11 x21	77	216
5 x17	28⅓	71	6 x27	54	106	8 x21	56	98	11 x24	88	109
5 x18	30	80	6 x28	56	98	8 x24	64	109	11 x27	99	220
5 x20	33⅓	81	6 x29	58	212	8 x27	72	107	12 x12	48	97
5 x21	35	86	6 x30	60	98	8 x28	74⅔	111	12 x12¼	49	210
5 x22	36⅔	82	7 x 7	16⅓	59	8 x30	80	109	12 x12½	50	84
5 x23	38⅓	90	7 x 7½	17½	61	9 x 9	27	73	12 x12¾	51	212
5 x24	40	83	7 x 8	18⅔	64	9 x 9½	28½	75	12 x13	52	97
5 x26	43⅓	83	7 x 8½	19⅚	71	9 x10	30	80	12 x13¼	53	212
5 x27	45	103	7 x 9	21	59	9 x10½	31½	86	12 x13½	54	106
5 x28	46⅔	84	7 x 9½	22⅙	75	9 x11	33	88	12 x13¾	55	104
5 x30	50	84	7 x10	23⅓	78	9 x11½	34½	90	12 x14	56	98
6 x 6	12	36	7 x10½	24½	86	9 x12	36	95	12 x14¼	57	212
6 x 6¼	12½	60	7 x11	25⅔	88	9 x13	39	208	13 x14½	58	212
6 x 6½	13	56	7 x11½	26⅚	90	9 x14	42	99	12 x14¾	59	212
6 x 6¾	13½	39	7 x12	28	93	9 x15	45	103	12 x15	60	98
6 x 7	14	50	7 x13½	31½	86	9 x16	48	97	12 x15¼	61	214
6 x 7½	15	44	7 x14	32⅔	99	9 x17	51	212	12 x15½	62	214
6 x 8	16	51	7 x15	35	86	9 x18	54	106	12 x15¾	63	123
6 x 8¼	16½	47	7 x18	42	99	9 x19	57	212	12 x16	64	109
6 x 8½	17	70	7 x20	46⅔	84	9 x20	60	98	12 x17	68	214
6 x 8¾	17½	61	7 x21	49	210	9 x21	63	123	12 x18	72	107
6 x 9	18	52	7 x22	51⅓	100	9 x22	66	107	12 x19	76	216
6 x 9½	19	74	7 x24	56	98	9 x23	69	214	12 x20	80	109
6 x 9¾	19½	57	7 x25	58⅓	101	9 x24	72	107	12 x21	84	108
6 x10	20	53	7 x26	60⅔	100	9 x25	75	105	12 x22	88	109
6 x10½	21	59	7 x27	63	123	9 x26	78	107	12 x23	92	220
6 x11	22	54	7 x28	65⅓	100	9 x27	81	218	12 x24	96	110
6 x11¼	22½	61	7 x30	70	101	9 x28	84	108	12 x25	100	115
6 x11½	23	89	8 x 8	21⅓	65	9 x29	87	218	12 x26	104	110
6 x12	24	55	8 x 8¼	22	54	9 x30	90	108	12 x28	112	110
6 x12¼	24½	86	8 x 8½	22⅔	71	10 x10	33⅓	81	12 x30	120	110
6 x12½	25	61	8 x 8¾	23⅓	78	10 x10½	35	86	13 x14	60⅔	100
6 x12¾	25½	71	8 x 9	24	55	10 x11	36⅔	82	13 x15	65	104
6 x13	26	206	8 x 9½	25⅓	75	10 x11½	38⅓	90	13 x18	78	107
6 x13½	27	73	8 x 9¾	26	206	10 x12	40	83	13 x21	91	220
6 x14	28	93	8 x10	26⅔	67	10 x13	43⅓	83	13 x24	104	110
6 x14¼	28½	75	8 x10½	28	93	10 x14	46⅔	84	14 x14	65⅓	100
6 x14½	29	206	8 x11	29⅓	68	10 x15	50	84	14 x15	70	101
6 x15	30	80	8 x11¼	30	80	10 x18	60	98	14 x16	74⅔	111
6 x16	32	69	8 x11½	30⅔	90	10 x19½	65	104	14 x18	84	108

See explanation page 159.

4 Feet in Length.

Size.	Feet	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.
14 x20	93⅓	113	25 x28	233⅓	117	1¾x24	14	50	3½x 4	4⅔	17
14 x21	98	220	26 x30	260	119	2¼x 4	3	10	3½x 5	5⅚	22
14 x24	112	110	28 x30	280	119	2¼x 6	4½	13	3½x 6	7	25
14 x25	116⅔	115	30 x30	300	117	2¼x 8	6	19	3½x 7	8⅙	30
14 x27	126	123	1¼x 2	⅚	5	2¼x10	7½	22	3½x 8	9⅓	34
14 x30	140	118	1¼x 4	1⅔	6	2¼x12	9	27	3½x 9	10½	30
15 x15	75	105	1¼x 6	2½	9	2¼x14	10½	30	3½x10	11⅔	42
15 x16	80	109	1¼x 8	3⅓	8	2¼x16	12	36	3½x11	12⅚	47
15 x17	85	218	1¼x10	4⅙	21	2¼x18	13½	39	3½x12	14	50
15 x18	90	108	1¼x12	5	14	2¼x20	15	44	3½x13	15⅙	57
15 x19	95	220	1¼x14	5⅚	22	2¼x22	16½	47	3½x14	16⅓	59
15 x20	100	115	1¼x16	6⅔	20	2¼x24	18	52	3½x15	17½	61
15 x21	105	123	1¼x18	7½	22	2½x 3	2½	9	3½x16	18⅔	64
15 x24	120	110	1¼x20	8⅓	22	2½x 4	3⅓	8	3½x17	19⅚	71
15 x28	140	118	1¼x22	9⅙	46	2½x 6	5	14	3½x18	21	59
15 x30	150	116	1¼x24	10	28	2½x 7	5⅚	22	3½x19	22⅙	75
16 x16	85⅓	111	1½x 2	1	5	2½x 8	6⅔	20	3½x20	23⅓	78
16 x18	96	110	1½x 3	1½	6	2½x 9	7½	22	3½x21	24½	86
16 x20	106⅔	112	1½x 4	2	7	2½x10	8⅓	22	3½x22	25⅔	88
16 x21	112	110	1½x 5	2½	9	2½x11	9⅙	46	3½x23	26⅚	90
16 x22	117⅓	112	1½x 6	3	10	2½x12	10	28	3½x24	28	93
16 x24	128	110	1½x 7	3½	11	2½x13	10⅚	56	3¾x 4	5	14
16 x25	133⅓	116	1½x 8	4	12	2½x14	11⅔	42	3¾x 6	7½	22
16 x26	138⅔	112	1½x 9	4½	13	2½x15	12½	60	3¾x 8	10	28
16 x27	144	110	1½x10	5	14	2½x16	13⅓	37	3¾x10	12½	60
16 x28	149⅓	112	1½x11	5½	46	2½x17	14⅙	70	3¾x12	15	44
16 x30	160	111	1½x12	6	19	2½x18	15	44	3¾x14	17½	61
17 x24	136	110	1½x13	6½	56	2½x19	15⅚	74	3¾x16	20	53
18 x20	120	110	1½x14	7	25	2½x20	16⅔	45	3¾x18	22½	61
18 x21	126	123	1½x15	7½	22	2½x21	17½	61	3¾x20	25	61
18 x24	144	110	1½x16	8	26	2½x22	18⅓	47	3¾x24	30	80
18 x25	150	116	1½x17	8½	70	2½x24	20	53	4¼x 6	8½	70
18 x30	180	118	1½x18	9	27	2¾x 6	5½	46	4¼x 8	11⅓	70
19 x24	152	111	1½x19	9½	74	2¾x 8	7⅓	46	4¼x10	14⅙	70
20 x20	133⅓	116	1½x20	10	28	2¾x10	9⅙	46	4¼x12	17	70
20 x21	140	118	1½x21	10½	30	2¾x12	11	46	4¼x16	22⅔	71
20 x22	146⅔	114	1½x22	11	46	2¾x14	12⅚	47	4½x 5	7½	22
20 x24	160	111	1½x23	11½	89	2¾x16	14⅔	47	4½x 6	9	27
20 x25	166⅔	116	1½x24	12	36	2¾x18	16½	47	4½x 7	10½	30
20 x26	173⅓	114	1¾x 2	1⅙	6	2¾x20	18⅓	47	4½x 8	12	36
20 x27	180	118	1¾x 4	2⅓	8	2¾x24	22	54	4½x 9	13½	39
20 x28	186⅔	114	1¾x 6	3½	11	3¼x 6	6½	56	4½x10	15	44
20 x30	200	116	1¾x 8	4⅔	17	3¼x 8	8⅔	56	4½x11	16½	47
21 x24	168	120	1¾x10	5⅚	22	3¼x10	10⅚	56	4½x12	18	52
22 x25	183⅓	116	1¾x12	7	25	3¼x12	13	56	4½x13	19½	57
22 x30	220	118	1¾x14	8⅙	30	3¼x14	15⅙	57	4½x14	21	59
24 x24	192	113	1¾x16	9⅓	34	3¼x16	17⅓	57	4½x15	22½	61
24 x27	216	120	1¾x18	10½	30	3¼x18	19½	57	4½x16	24	55
24 x30	*240*	*115*	1¾x20	11⅔	42	3¼x20	21⅔	57	4¾x 6	9½	74
25 x26	*216⅔*	*116*	1¾x22	12⅚	47	3¼x24	26	206	4¾x 8	12⅔	74

See explanation page 159.

4 Feet in Length.						5 Feet in Length.					
Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.
4¾x12	19	74	8½x 9	25½	71	2 x20	16⅔	45	5 x12	25	61
4¾x14	22⅙	75	8½x10	28⅓	71	2 x21	17½	61	5 x16	33⅓	81
4¾x16	25⅓	75	8½x12	34	208	2 x22	18⅓	47	5 x24	50	84
5¼x 6	10½	30	8¾x12	35	86	2 x23	19⅙	89	5 x26	54⅙	
5¼x 8	14	50	9¼x12	37	208	2 x24	20	53	5 x28	58⅓	101
5¼x10	17½	61	9½x10	31⅔	75	3 x 4	5	14	5 x30	62½	
5¼x12	21	59	9½x12	38	208	3 x 6	7½	22	6 x 6	15	44
5¼x14	24½	86	9¾x12	39	208	3 x 8	10	28	6 x 7	17½	61
5¼x16	28	93	10¼x12	41	210	3 x10	12½	60	6 x 8	20	53
5½x 6	11	46	10½x12	42	99	3 x12	15	44	6 x 9	22½	61
5½x 7	12⅚	47	10½x14	49	210	3 x14	17½	61	6 x10	25	61
5½x 8	14⅔	47	10½x15	52½	123	3 x16	20	53	6 x12	30	80
5½x 9	16½	47	10¾x12	43	210	3 x18	22½	61	6 x14	35	86
5½x10	18⅓	47	11¼x12	45	103	3 x20	25	61	6 x16	40	83
5½x12	22	54	11¼x14	52½	123	3 x24	30	80	6 x18	45	103
5½x14	25⅔	88	11½x12	46	210	4 x 4	6⅔	20	6 x20	50	84
5½x16	29⅓	68	11¾x12	47	210	4 x 4½	7½	22	6 x22	55	104
5¾x 6	11½	89	12½x14	58⅓	101	4 x 5	8⅓	22	6 x24	60	98
5¾x 8	15⅓	89	13½x14	63	123	4 x 5½	9⅙	46	6 x26	65	104
5¾x10	19⅙	89	15 x15	75	105	4 x 6	10	28	6 x28	70	101
5¾x12	23	89	16 x16	85⅓	111	4 x 6½	10⅚	56	6 x30	75	105
5¾x14	26⅚	90	16 x18	96	110	4 x 7	11⅔	42	7 x 8	23⅓	78
5¾x16	30⅔	90	16 x20	106⅔	112	4 x 7½	12½	60	7 x12	35	86
6¼x 6	12½	60	**5 Feet.**			4 x 8	13⅓	37	7 x16	46⅔	84
6¼x 8	16⅔	45				4 x 8½	14⅙	70	7 x18	52½	123
6¼x12	25	61	1 x 2	⅚	5	4 x 9	15	44	7 x20	58⅓	101
6½x 7	15⅙	57	1 x 4	1⅔	6	4 x 9½	15⅚	74	7 x22	64⅙	101
6½x 8	17⅓	57	1 x 6	2½	9	4 x10	16⅔	45	7 x24	70	101
6½x 9	19½	57	1 x 8	3⅓	8	4 x10½	17½	61	7 x28	81⅔	102
6½x10	21⅔	57	1 x10	4⅙	21	4 x11	18⅓	47	7 x30	87½	102
6½x12	26	206	1 x12	5	14	4 x11½	19⅙	89	8 x 8	26⅔	67
6¾x 8	18	52	1 x14	5⅚	22	4 x12	20	53	8 x 8½	28⅓	71
6¾x10	22½	61	2 x 2	1⅔	6	4 x13	21⅔	57	8 x 9	30	80
6¾x12	27	73	2 x 3	2½	9	4 x13½	22½	61	8 x 9½	31⅔	75
6¾x14	31½	86	2 x 4	3⅓	8	4 x14	23⅓	78	8 x10	33⅓	81
6¾x16	36	95	2 x 5	4⅙	21	4 x15	25	61	8 x10½	35	86
6¾x20	45	103	2 x 6	5	14	4 x16	26⅔	67	8 x11	36⅔	82
7¼x12	29	206	2 x 7	5⅚	22	4 x17	28⅓	71	8 x12	40	83
7½x 8	20	53	2 x 8	6⅔	20	4 x18	30	80	8 x13	43⅓	83
7½x 9	22½	61	2 x 9	7½	22	4 x19	31⅔	75	8 x13½	45	103
7½x10	25	61	2 x10	8⅓	22	4 x20	33⅓	81	8 x14	46⅔	84
7½x12	30	80	2 x11	9⅙	46	4 x21	35	86	8 x15	50	84
7½x14	35	86	2 x12	10	28	4 x22	36⅔	82	8 x18	60	98
7½x16	40	83	2 x13	10⅚	56	4 x23	38⅓	90	8 x21	70	101
7½x18	45	103	2 x14	11⅔	42	4 x24	40	83	8 x24	80	109
7½x20	50	84	2 x15	12½	60	4 x26	43⅓	83	8 x27	90	108
7½x22	55	104	2 x16	13⅓	37	4 x27	45	103	8 x28	93⅓	113
7½x24	60	98	2 x17	14⅙	70	4 x28	46⅔	84	8 x30	100	115
7¾x12	31	208	2 x18	15	44	5 x 6	12½	60	9 x12	45	108
8¼x12	33	88	2 x19	15⅚	74	5 x 8	16⅔	45	9 x14	52½	123

See explanation page 159.

5 Feet in Length.						6 Feet in Length.					
Size.	Feet.	Page.	Size.	Feet.	Page	Size.	Feet.	Page	Size.	Feet.	Page
9 x16	60	98	24 x25	250	117	1 x 1	½	5	2 x18	18	52
9 x20	75	105	24 x26	260	119	1 x 2	1	5	2 x19	19	74
9 x24	90	108	24 x28	280	119	1 x 3	1½	6	2 x20	20	53
9 x28	105	123	24 x30	300	117	1 x 4	2	7	2 x21	21	59
10 x12	50	84	1¼x 8	4⅙	21	1 x 5	2½	9	2 x22	22	54
10 x14	58⅓	101	1¼x16	8⅓	22	1 x 6	3	10	2 x24	24	55
10 x18	75	105	1¼x24	12½	60	1 x 7	3½	11	3 x 3	4½	13
10 x21	87½	102	1½x 4	2½	9	1 x 8	4	12	3 x 4	6	19
10 x24	100	115	1½x 8	5	14	1 x 9	4½	13	3 x 5	7½	22
10 x28	116⅔	115	1½x12	7½	22	1 x10	5	14	3 x 6	9	27
11 x12	55	104	1½x16	10	28	1 x11	5½	46	3 x 7	10½	30
11 x14	64⅙	101	1½x20	12½	60	1 x12	6	19	3 x 8	12	36
11 x28	128⅓	123	1½x24	15	44	1 x13	6½	56	3 x 9	13½	39
12 x12	60	98	1½x28	17½	61	1 x14	7	25	3 x10	15	44
12 x13	65	104	1¼x32	20	53	1 x15	7½	22	3 x11	16½	47
12 x14	70	101	2¼x 8	7½	22	1 x16	8	26	3 x12	18	52
12 x15	75	105	2¼x16	15	44	1 x17	8½	70	3 x13	19½	57
12 x16	80	109	2½x 4	4⅙	21	1 x18	9	27	3 x14	21	59
12 x17	85	218	2½x 8	8⅓	22	1 x19	9½	74	3 x15	22½	61
12 x18	90	108	2½x12	12½	60	1 x20	10	28	3 x16	24	55
12 x19	95	220	2½x16	16⅔	45	1 x21	10½	30	3 x17	25½	71
12 x20	100	115	2½x24	25	61	1 x22	11	46	3 x18	27	73
12 x21	105	123	2¾x 8	9⅙	46	1 x23	11½	89	3 x19	28½	75
12 x24	120	110	3¼x 8	10⅚	56	1 x24	12	36	3 x20	30	80
12 x28	140	118	3¼x16	21⅔	57	2 x 2	2	7	3 x21	31½	86
12 x30	150	116	3¼x32	43⅓	83	2 x 2½	2½	9	3 x22	33	88
14 x14	81⅔	102	3½x 4	5⅚	22	2 x 3	3	10	3 x23	34½	90
14 x15	87½	102	3½x 8	11⅔	42	2 x 3½	3½	11	3 x24	36	95
15 x16	100	115	3½x12	17½	61	2 x 4	4	12	3 x26	39	208
15 x24	150	116	3½x16	23⅓	78	2 x 4½	4½	13	3 x28	42	99
16 x16	106⅔	112	3½x24	35	86	2 x 5	5	14	3 x30	45	103
16 x18	120	110	4¼x 8	14⅙	70	2 x 5½	5½	46	4 x 4	8	26
16 x21	140	118	4¼x16	28⅓	71	2 x 6	6	19	4 x 4¼	8½	70
16 x22	146⅔	114	4½x 8	15	44	2 x 6½	6½	56	4 x 4½	9	27
16 x24	160	111	4½x12	22½	61	2 x 7	7	25	4 x 4¾	9½	74
16 x25	166⅔	116	4½x16	30	80	2 x 7½	7½	22	4 x 5	10	28
16 x26	173⅓	114	4½x24	45	103	2 x 8	8	26	4 x 5¼	10½	30
16 x27	180	118	4½x28	52½	123	2 x 8½	8½	70	4 x 5½	11	46
16 x28	186⅔	114	4½x32	60	98	2 x 9	9	27	4 x 5¾	11½	89
16 x30	200	116	5¼x 8	17½	61	2 x 9½	9½	74	4 x 6	12	36
18 x20	150	116	5¼x16	35	86	2 x10	10	28	4 x 6¼	12½	60
18 x24	180	118	5½x 8	18⅓	47	2 x10½	10½	30	4 x 6½	13	56
20 x20	166⅔	116	5½x16	36⅔	82	2 x11	11	46	4 x 6¾	13½	39
20 x22	183⅓	116	5½x24	55	104	2 x11½	11½	89	4 x 7	14	50
20 x24	200	116	5¾x 8	19⅙	89	2 x12	12	36	4 x 7½	15	44
20 x26	216⅔	116	5¾x16	38⅓	90	2 x13	13	56	4 x 8	16	51
20 x28	233⅓	117	6½x 8	21⅔	57	2 x14	14	50	4 x 8¼	16½	47
20 x30	250	117	6¾x 8	22½	61	2 x15	15	44	4 x 8½	17	70
22 x24	*220*	*118*	7½x 8	25	61	2 x16	16	51	4 x 8¾	17½	61
24 x24	*240*	*115*				2 x17	17	70	4 x 9	18	52

See explanation page 159.

6 Feet in Length.

Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.
4 x 9½	19	74	6 x 7½	22½	61	8 x 9	36	95	10 x15	75	105
4 x 9¾	19½	57	6 x 8	24	55	8 x 9¼	37	208	10 x16	80	109
4 x10	20	53	6 x 8½	25½	71	8 x 9½	38	208	10 x17	85	218
4 x10½	21	59	6 x 9	27	73	8 x 9¾	39	208	10 x18	90	108
4 x11	22	54	6 x 9½	28½	75	8 x10	40	83	10 x19	95	220
4 x11¼	22½	61	6 x10	30	80	8 x10¼	41	210	10 x20	100	115
4 x11½	23	89	6 x10½	31½	86	8 x10½	42	99	10 x21	105	123
4 x12	24	55	6 x11	33	88	8 x10¾	43	210	10 x24	120	110
4 x12¼	24½	86	6 x11½	34½	90	8 x11	44	96	10 x28	140	118
4 x12½	25	61	6 x12	36	95	8 x11¼	45	103	10 x30	150	116
4 x12¾	25½	71	6 x13	39	208	8 x11½	46	210	11 x12	66	107
4 x13	26	206	6 x14	42	99	8 x11¾	47	210	11 x14	77	216
4 x13½	27	73	6 x15	45	103	8 x12	48	97	11 x16	88	109
4 x14	28	93	6 x16	48	97	8 x12¼	49	210	11 x18	99	220
4 x14¼	28½	75	6 x17	51	212	8 x12½	50	84	12 x12	72	107
4 x14½	29	206	6 x18	54	106	8 x12¾	51	212	12 x12½	75	105
4 x15	30	80	6 x19	57	212	8 x13	52	97	12 x13	78	107
4 x16	32	69	6 x20	60	98	8 x13¼	53	212	12 x13½	81	218
4 x17	34	208	6 x21	63	123	8 x13½	54	106	12 x14	84	108
4 x18	36	95	6 x22	66	107	8 x13¾	55	104	12 x14½	87	218
4 x19	38	208	6 x23	69	214	8 x14	56	98	12 x15	90	108
4 x20	40	83	6 x24	72	107	8 x15	60	98	12 x16	96	110
4 x21	42	99	6 x25	75	105	8 x16	64	109	12 x20	120	110
4 x22	44	96	6 x26	78	107	8 x17	68	214	12 x21	126	123
4 x23	46	210	6 x27	81	218	8 x18	72	107	12 x24	144	110
4 x24	48	97	6 x28	84	108	8 x19	76	216	12 x25	150	116
4 x25	50	84	6 x29	87	218	8 x20	80	109	12 x28	168	120
4 x26	52	97	6 x30	90	108	8 x21	84	108	12 x30	180	118
4 x27	54	106	7 x 7	24½	86	8 x22	88	109	13 x14	91	220
4 x28	56	98	7 x 8	28	93	8 x23	92	220	14 x14	98	220
4 x29	58	212	7 x 9	31½	86	8 x24	96	110	14 x15	105	123
5 x 5	12½	60	7 x10	35	86	8 x25	100	115	14 x20	140	118
5 x 6	15	44	7 x12	42	99	8 x26	104	110	14 x24	168	120
5 x 7	17½	61	7 x14	49	210	8 x28	112	110	15 x16	120	110
5 x 8	20	53	7 x15	52½	123	8 x30	120	110	15 x20	150	116
5 x 9	22½	61	7 x16	56	98	9 x10	45	103	15 x24	180	118
5 x10	25	61	7 x18	63	123	9 x12	54	106	1¼x 4	2½	9
5 x12	30	80	7 x20	70	101	9 x14	63	123	1¼x 8	5	14
5 x14	35	86	7 x21	73½	123	9 x16	72	107	1¼x12	7½	22
5 x16	40	83	7 x22	77	216	9 x18	81	218	1¼x16	10	28
5 x18	45	103	7 x24	84	108	9 x20	90	108	1¼x20	12½	60
5 x20	50	84	7 x25	87½	102	9 x21	94½	123	1¼x24	15	44
5 x22	55	104	7 x26	91	220	9 x22	99	220	1½x 2	1½	6
5 x24	60	98	7 x27	94½	123	9 x28	126	123	1½x 4	3	10
5 x26	65	104	7 x28	98	220	10 x10	50	84	1½x 6	4½	13
5 x28	70	101	7 x30	105	123	10 x10½	52½	123	1½x 8	6	19
5 x30	75	105	8 x 8	32	69	10 x11	55	104	1½x10	7½	22
6 x 6	18	52	8 x 8¼	33	88	10 x12	60	98	1½x12	9	27
6 x 6½	19½	57	8 x 8½	34	208	10 x13	65	104	1½x14	10½	30
6 x 7	21	59	8 x 8¾	35	86	10 x14	70	101	1½x16	12	36

See explanation page 159.

6 Feet in Length.						7 Feet in Length.					
Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page	Size.	Feet.	Page.
1½x18	13½	39	4½x10	22½	61	1 x 2	1⅙	6	4 x 6½	15⅙	57
1½x20	15	44	4½x12	27	73	1 x 4	2⅓	8	4 x 7	16⅓	59
1½x22	16½	47	4½x14	31½	86	1 x 6	3½	11	4 x 7½	17½	61
1½x24	18	52	4½x16	36	95	1 x 8	4⅔	17	4 x 8	18⅔	64
1¾x 4	3½	11	4½x20	45	103	1 x10	5⅚	22	4 x 9	21	59
1¾x 8	7	25	4½x24	54	106	1 x12	7	25	4 x 9½	22⅙	75
1¾x12	10½	30	4¾x 8	19	74	1 x14	8⅙	30	4 x10	23⅓	78
1¾x16	14	50	4¾x12	28½	75	1 x16	9⅓	34	4 x10½	24½	86
1¾x20	17½	61	4¾x16	38	208	1 x18	10½	30	4 x11	25⅔	88
2¼x 4	4½	13	4¾x24	57	212	1 x20	11⅔	42	4 x11½	26⅚	90
2¼x 8	9	27	5¼x 8	21	59	1 x22	12⅚	47	4 x12	28	93
2¼x12	13½	39	5¼x12	31½	86	1 x24	14	50	4 x13½	31½	86
2¼x16	18	52	5¼x16	42	99	2 x 2	2⅓	8	4 x14	32⅔	99
2½x 4	5	14	5¼x24	63	123	2 x 3	3½	11	4 x15	35	86
2½x 6	7½	22	5½x 6	16½	47	2 x 4	4⅔	17	4 x16	37⅓	99
2½x 8	10	28	5½x 8	22	54	2 x 5	5⅚	22	4 x18	42	99
2½x10	12½	60	5½x12	33	88	2 x 6	7	25	4 x20	46⅔	84
2½x12	15	44	5½x16	44	96	2 x 7	8⅙	30	4 x21	49	210
2½x14	17½	61	5½x20	55	104	2 x 8	9⅓	34	4 x22	51⅓	100
2½x16	20	53	5¾x 8	23	89	2 x 9	10½	30	4 x24	56	98
2½x18	22½	61	5¾x12	34½	90	2 x10	11⅔	42	4 x25	58⅓	101
2½x20	25	61	5¾x16	46	210	2 x11	12⅚	47	4 x26	60⅔	100
2½x24	30	80	5¾x24	69	214	2 x12	14	50	4 x27	63	123
2¾x 4	5½	46	6¼x 8	25	61	2 x13	15⅙	57	4 x28	65⅓	100
2¾x 8	11	46	6¼x16	50	84	2 x14	16⅓	59	4 x30	70	101
2¾x12	16½	47	6¼x32	100	115	2 x15	17½	61	5 x 6	17½	61
2¾x16	22	54	6½x 8	26	206	2 x16	18⅔	64	5 x 8	23⅓	78
3¼x 4	6½	56	6½x12	39	208	2 x17	19⅚	71	5 x12	35	86
3¼x 8	13	56	6½x16	52	97	2 x18	21	59	5 x16	46⅔	84
3¼x12	19½	57	6½x24	78	107	2 x19	22⅙	75	5 x18	52½	123
3¼x16	26	206	6¾x 8	27	73	2 x20	23⅓	78	5 x20	58⅓	101
3½x 4	7	25	6¾x16	54	106	2 x21	24½	86	5 x24	70	101
3½x 6	10½	30	7¼x 8	29	206	2 x22	25⅔	88	5 x26	75⅚	102
3½x 8	14	50	7¼x16	58	212	2 x23	26⅚	90	5 x30	87½	102
3½x10	17½	61	7½x 6	22½	61	2 x24	28	93	6 x 6	21	59
3½x12	21	59	7½x 8	30	80	3 x 4	7	25	6 x 7	24½	86
3½x14	24½	86	7½x12	45	103	3 x 6	10½	30	6 x 8	28	93
3½x16	28	93	7½x14	52½	123	3 x 8	14	50	6 x 9	31½	86
3½x18	31½	86	7½x16	60	98	3 x10	17½	61	6 x10	35	86
3½x20	35	86	7¾x 8	31	208	3 x12	21	59	6 x12	42	99
3½x24	42	99	7¾x16	62	214	3 x14	24½	86	6 x14	49	210
3¾x 4	7½	22	8½x12	51	212	3 x16	28	93	6 x15	52½	123
3¾x 8	15	44	8¾x12	52½	123	3 x18	31½	86	6 x16	56	98
3¾x12	22½	61	9½x12	57	212	3 x20	35	86	6 x18	63	123
3¾x16	30	80	10½x14	73½	123	3 x24	42	99	6 x20	70	101
4¼x 8	17	70	11½x12	69	214	4 x 4	9⅓	34	6 x21	73½	123
4¼x12	25½	71	12½x14	87½	102	4 x 4½	10½	30	6 x22	77	216
4¼x16	34	208	13½x14	94½	123	4 x 5	11⅔	42	6 x24	84	108
4½x 6	*13½*	*39*				4 x 5½	12⅚	47	6 x25	87½	102
4½x 8	*18*	*52*				4 x 6	14	50	6 x26	91	220

See explanation pagu 159.

7 Feet in Length.									8 Feet in Length.		
Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.
6 x27	94½	123	10 x22	128⅓	123	4½x24	63	123	1 x14¼	9½	74
6 x28	98	220	10 x23	134⅙	123	4¾x 8	22⅙	75	1 x15	10	28
6 x30	105	123	10 x24	140	118	5¼x 8	24½	86	1 x16	10⅔	35
6 x32	112	110	11 x12	77	216	5¼x16	49	210	1 x16½	11	46
7 x 8	32⅔	99	11 x20	128⅓	123	5½x 8	25⅔	88	1 x17	11⅓	70
7 x12	49	210	12 x12	84	108	5¾x 8	26⅚	90	1 x17½	11⅔	42
7 x16	65⅓	100	12 x13	91	220	6¾x 8	31½	86	1 x18	12	36
7 x18	73½	123	12 x13½	94½	123	7½x 8	35	86	1 x19½	13	56
7 x20	81⅔	102	12 x14	98	220	7½x12	52½	123	1 x20	13⅓	37
7 x24	98	220	12 x15	105	123	7½x16	70	101	1 x21	14	50
7 x30	122½	123	12 x16	112	110	7½x24	105	123	1 x22	14⅔	47
8 x 8	37⅓	99	12 x18	126	123	10½x12	73½	123	1 x22½	15	44
8 x 9	42	99	12 x20	140	118	**8 Feet.**			1 x23	15⅓	89
8 x10	46⅔	84	12 x24	168	120				1 x24	16	51
8 x10½	49	210	15 x16	140	118	1 x 1	⅔	5	2 x 2	2⅔	8
8 x11	51⅓	100	16 x16	149⅓	112	1 x 1¼	⅚	5	2 x 2¼	3	10
8 x11¼	52½	123	16 x18	168	120	1 x 1½	1	5	2 x 2½	3⅓	8
8 x12	56	98	16 x20	186⅔	114	1 x 1¾	1⅙	6	2 x 3	4	12
8 x13	60⅔	100	16 x25	233⅓	117	1 x 2	1⅓	6	2 x 3½	4⅔	17
8 x13½	63	123	16 x30	280	119	1 x 2¼	1½	6	2 x 3¾	5	14
8 x13¾	64⅙	101	20 x24	280	119	1 x 2½	1⅔	6	2 x 4	5⅓	18
8 x14	65⅓	100	24 x24	336	121	1 x 3	2	7	2 x 4½	6	19
8 x15	70	101	1¼x 8	5⅚	22	1 x 3½	2⅓	8	2 x 5	6⅔	20
8 x16	74⅔	111	1¼x16	11⅔	42	1 x 3¾	2½	9	2 x 5¼	7	25
8 x18	84	108	1¼x24	17½	61	1 x 4	2⅔	8	2 x 5½	7⅓	46
8 x20	93⅓	113	1½x 4	3½	11	1 x 4½	3	10	2 x 6	8	26
8 x21	98	220	1½x 8	7	25	1 x 5	3⅓	8	2 x 6¼	8⅓	22
8 x24	112	110	1½x12	10½	30	1 x 5¼	3½	11	2 x 6½	8⅔	56
8 x25	116⅔	115	1½x16	14	50	1 x 6	4	12	2 x 6¾	9	27
8 x27	126	123	1¾x 8	8⅙	30	1 x 6¼	4⅙	21	2 x 7	9⅓	34
8 x30	140	118	1¾x16	16⅓	59	1 x 6¾	4½	13	2 x 7½	10	28
9 x10	52½	123	1¾x24	24½	86	1 x 7	4⅔	17	2 x 8	10⅔	35
9 x12	63	123	2¼x 8	10½	30	1 x 7½	5	14	2 x 8¼	11	46
9 x14	73½	123	2¼x16	21	59	1 x 8	5⅓	18	2 x 8½	11⅓	70
9 x16	84	108	2½x 4	5⅚	22	1 x 8¼	5½	46	2 x 8¾	11⅔	42
9 x18	94½	123	2½x 8	11⅔	42	1 x 8¾	5⅚	22	2 x 9	12	36
9 x20	105	123	2½x12	17½	61	1 x 9	6	19	2 x 9½	12⅔	74
9 x22	115½	123	2½x16	23⅓	78	1 x 9¾	6½	56	2 x 9¾	13	56
9 x24	126	123	2¾x 8	12⅚	47	1 x10	6⅔	20	2 x10	13⅓	37
10 x10	58⅓	101	3¼x 8	15⅙	57	1 x10½	7	25	2 x10½	14	50
10 x11	64⅙	101	3½x 4	8⅙	30	1 x11	7⅓	46	2 x11	14⅔	47
10 x12	70	101	3½x 8	16⅓	59	1 x11¼	7½	22	2 x11¼	15	44
10 x13	75⅚	102	3½x12	24½	86	1 x12	8	26	2 x11½	15⅓	89
10 x14	81⅔	102	3½x16	32⅔	99	1 x12¼	8⅙	30	2 x12	16	51
10 x15	87½	102	3¾x 8	17½	61	1 x12½	8⅓	22	2 x12¼	16⅓	59
10 x16	93⅓	113	3¾x16	35	86	1 x12¾	8½	70	2 x12½	16⅔	45
10 x18	105	123	4¼x 8	19⅚	71	1 x13	8⅔	56	2 x12¾	17	70
10 x19	110⅚	123	4½x 8	21	59	1 x13½	9	27	2 x13	17⅓	57
10 x20	116⅔	115	4½x12	31½	86	1 x13¾	9⅙	46	2 x13½	18	52
10 x21	122½	123	4½x16	42	99	1 x14	9⅓	34	2 x13¾	18⅓	47

See explanation page 169.

7.& 8
9 ft.
21 ft.
to 28

8 Feet in Length.

Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.
2 x14	18⅔	64	3 x12	24	55	4 x 8½	22⅔	71	5 x28	93⅓	113
2 x14¼	19	74	3 x12¼	24½	86	4 x 8¾	23⅓	78	5 x30	100	115
2 x15	20	53	3 x12½	25	61	4 x 9	24	55	6 x 6	24	55
2 x16	21⅓	65	3 x12¾	25½	71	4 x 9½	25⅓	75	6 x 6¼	25	61
2 x16½	22	54	3 x13	26	206	4 x 9¾	26	206	6 x 6½	26	206
2 x17	22⅔	71	3 x13½	27	73	4 x10	26⅔	67	6 x 6¾	27	73
2 x17½	23⅓	78	3 x14	28	93	4 x10½	28	93	6 x 7	28	93
2 x18	24	55	3 x14¼	28½	75	4 x11	29⅓	68	6 x 7¼	29	206
2 x19	25⅓	75	3 x14½	29	206	4 x11¼	30	80	6 x 7½	30	80
2 x19½	26	206	3 x15	30	80	4 x11½	30⅔	90	6 x 7¾	31	208
2 x20	26⅔	67	3 x15½	31	208	4 x12	32	69	6 x 8	32	69
2 x21	28	93	3 x16	32	69	4 x12¼	32⅔	99	6 x 8¼	33	88
2 x22	29⅓	68	3 x16½	33	88	4 x12½	33⅓	81	6 x 8½	34	208
2 x22½	30	80	3 x17	34	208	4 x12¾	34	208	6 x 8¾	35	86
2 x23	30⅔	90	3 x17½	35	86	4 x13½	36	95	6 x 9	36	95
2 x24	32	69	3 x18	36	95	4 x13¾	36⅔	82	6 x 9¼	37	208
2 x25	33⅓	81	3 x18½	37	208	4 x14	37⅓	99	6 x 9½	38	208
2 x27	36	95	3 x19	38	208	4 x14¼	38	208	6 x 9¾	39	208
2 x28	37⅓	99	3 x19½	39	208	4 x15	40	83	6 x10	40	83
2 x30	40	83	3 x20	40	83	4 x18	48	97	6 x10¼	41	210
3 x 3	6	19	3 x20½	41	210	4 x21	56	98	6 x10½	42	99
3 x 3¼	6½	56	3 x21	42	99	4 x24	64	109	6 x10¾	43	210
3 x 3½	7	25	3 x21½	43	210	4 x27	72	107	6 x11	44	96
3 x 3¾	7½	22	3 x22	44	96	4 x30	80	109	6 x11¼	45	103
3 x 4	8	26	3 x22½	45	103	5 x 5	16⅔	45	6 x11½	46	210
3 x 4¼	8½	70	3 x23	46	210	5 x 5¼	17½	61	6 x11¾	47	210
3 x 4½	9	27	3 x23½	47	210	5 x 5½	18⅓	47	6 x12	48	97
3 x 4¾	9½	74	3 x24	48	97	5 x 5¾	19⅙	89	6 x12¼	49	210
3 x 5	10	28	3 x25	50	84	5 x 6	20	53	6 x12½	50	84
3 x 5¼	10½	30	3 x26	52	97	5 x 6½	21⅔	57	6 x12¾	51	212
3 x 5½	11	46	3 x27	54	106	5 x 6¾	22½	61	6 x13	52	97
3 x 5¾	11½	89	3 x28	56	98	5 x 7	23⅓	78	6 x13½	54	106
3 x 6	12	36	3 x29	58	212	5 x 7½	25	61	6 x14	56	98
3 x 6¼	12½	60	3 x30	60	98	5 x 8	26⅔	67	6 x14½	58	212
3 x 6½	13	56	4 x 4	10⅔	35	5 x 8½	28⅓	71	6 x15	60	98
3 x 6¾	13½	39	4 x 4¼	11⅓	70	5 x 9	30	80	6 x15½	62	214
3 x 7	14	50	4 x 4½	12	36	5 x 9½	31⅔	75	6 x16	64	109
3 x 7½	15	44	4 x 4¾	12⅔	74	5 x10	33⅓	81	6 x16½	66	107
3 x 8	16	51	4 x 5	13⅓	37	5 x10½	35	86	6 x17	68	214
3 x 8¼	16½	47	4 x 5¼	14	50	5 x11	36⅔	82	6 x17½	70	101
3 x 8½	17	70	4 x 5½	14⅔	47	5 x11½	38⅓	90	6 x18	72	107
3 x 8¾	17½	61	4 x 5¾	15⅓	89	5 x12	40	83	6 x19	76	216
3 x 9	18	52	4 x 6	16	51	5 x13	43⅓	83	6 x20	80	109
3 x 9½	19	74	4 x 6¼	16⅔	45	5 x13½	45	103	6 x21	84	108
3 x 9¾	19½	57	4 x 6½	17⅓	57	5 x14	46⅔	84	6 x22	88	109
3 x10	20	53	4 x 6¾	18	52	5 x15	50	84	6 x23	92	220
3 x10½	21	59	4 x 7	18⅔	64	5 x18	60	98	6 x24	96	110
3 x11	22	54	4 x 7½	20	53	5 x21	70	101	6 x25	100	115
3 x11¼	*22½*	*61*	*4 x 8*	21⅓	65	5 x24	80	109	6 x26	104	110
3 x11½	*23*	*89*	4 x 8¼	22	54	5 x27	90	108	6 x28	112	110

See explanation page 159.

8 Feet in Length.

Size.	Feet.	Page	Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.
7 x 7	32⅔	99	9 x11	66	107	12 x17	136	110	1¼x 5	4⅙	21
7 x 7½	35	86	9 x11½	69	214	12 x18	144	110	1¼x 6	5	14
7 x 8	37⅓	99	9 x12	72	107	12 x19	152	111	1¼x 7	5⅚	22
7 x 9	42	99	9 x12¼	73½	123	12 x20	160	111	1¼x 8	6⅔	20
7 x10	46⅔	84	9 x12½	75	105	12 x21	168	120	1¼x 9	7½	22
7 x10½	49	210	9 x13	78	107	12 x24	192	113	1¼x10	8⅓	22
7 x11	51⅓	100	9 x13½	81	218	12 x25	200	116	1¼x11	9⅙	46
7 x11¼	52½	123	9 x14	84	108	12 x30	240	115	1¼x12	10	28
7 x12	56	98	9 x14½	87	218	13 x16	138⅔	112	1¼x13	10⅚	56
7 x12½	58⅓	101	9 x15	90	108	13 x20	173⅓	114	1¼x14	11⅔	42
7 x13	60⅔	100	9 x15½	93	220	14 x16	149⅓	112	1¼x15	12½	60
7 x13½	63	123	9 x16	96	110	14 x18	168	120	1¼x16	13⅓	37
7 x13¾	64⅙	101	9 x16½	99	220	14 x20	186⅔	114	1¼x17	14⅙	70
7 x14	65⅓	100	9 x20	120	110	14 x30	280	119	1¼x18	15	44
7 x15	70	101	9 x21	126	123	15 x15	150	116	1¼x19	15⅚	74
7 x16	74⅔	111	9 x24	144	110	15 x16	160	111	1¼x20	16⅔	45
7 x18	84	108	9 x25	150	116	15 x18	180	118	1¼x21	17½	61
7 x20	93⅓	113	9 x28	168	120	15 x20	200	116	1¼x22	18⅓	47
7 x21	98	220	9 x30	180	118	15 x22	220	118	1¼x23	19⅙	89
7 x24	112	110	10 x10½	70	101	15 x24	240	115	1¼x24	20	53
7 x25	116⅔	115	10 x11¼	75	105	15 x25	250	117	1¼x26	21⅔	57
7 x27	126	123	10 x12	80	109	15 x26	260	119	1¼x27	22½	61
7 x30	140	118	10 x12¼	81⅔	102	15 x28	280	119	1¼x28	23⅓	78
8 x 8¼	44	96	10 x12¾	85	218	15 x30	300	117	1¼x30	25	61
8 x 8¾	46⅔	84	10 x13½	90	108	16 x16	170⅔	112	1½x 1½	1½	6
8 x 9	48	97	10 x14	93⅓	113	16 x17	181⅓	113	1½x 2	2	7
8 x 9¾	52	97	10 x14¼	95	220	16 x18	192	113	1½x 2½	2½	9
8 x10½	56	98	10 x15	100	115	16 x20	213⅓	113	1½x 3	3	10
8 x11¼	60	98	10 x16	106⅔	112	16 x30	320	119	1½x 3½	3½	11
8 x12	64	109	10 x18	120	110	17 x20	226⅔	115	1½x 4	4	12
8 x12¼	65⅓	100	10 x20	133⅓	116	18 x18	216	120	1½x 4½	4½	13
8 x12¾	68	214	10 x21	140	118	18 x20	240	115	1½x 5	5	14
8 x13½	72	107	10 x24	160	111	18 x22	264	121	1½x 5½	5½	46
8 x14	74⅔	111	10 x25	166⅔	116	18 x25	300	117	1½x 6	6	19
8 x14¼	76	216	10 x26	173⅓	114	18 x26	312	121	1½x 6½	6½	56
8 x15	80	109	10 x27	180	118	18 x28	336	121	1½x 7	7	25
8 x16	85⅓	111	10 x30	200	116	18 x30	360	121	1½x 7½	7½	22
8 x18	96	110	11 x12	88	109	19 x30	380	120	1½x 8	8	26
8 x21	112	110	11 x12¾	93½		20 x21	280	119	1½x 8½	8½	70
8 x22	117⅓	112	11 x13½	99	220	20 x24	320	119	1½x 9	9	27
8 x24	128	110	11 x20	146⅔	114	20 x25	333⅓	117	1½x 9½	9½	74
8 x25	133⅓	116	11 x25	183⅓	116	20 x27	360	121	1½x10	10	28
3 x26	138⅔	112	11 x30	220	118	20 x30	400	120	1½x10½	10½	30
8 x27	144	110	12 x12	96	110	21 x24	336	121	1½x11	11	46
8 x28	149⅓	112	12 x12¼	98	220	24 x25	400	120	1½x11½	11½	89
8 x30	160	111	12 x12½	100	115	24 x27	432	122	1½x12	12	36
9 x 9	54	106	12 x13	104	110	24 x30	480	122	1½x12½	12½	60
9 x 9½	57	212	12 x14	112	110	1¼x 2	1⅔	6	1½x13	13	56
9 x10	60	98	12 x15	120	110	1¼x 3	2½	9	1½x13½	13½	39
9 x10½	63	123	12 x16	128	110	1¼x 4	3⅓	8	1½x14	14	50

See explanation page 159.

8 Feet in Length.

Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet	Page	Size.	Feet.	Page.
1½x15	15	44	2¼x 9	13½	39	2¾x 7	12⅚	47	3¾x10	25	61
1½x16	16	51	2¼x10	15	44	2¾x 8	14⅔	47	3¾x12	30	80
1½x16½	16½	47	2¼x11	16½	47	2¾x 9	16½	47	3¾x14	35	86
1½x17	17	70	2¼x12	18	52	2¾x10	18⅓	47	3¾x16	40	83
1½x17½	17½	61	2¼x13	19½	57	2¾x12	22	54	3¾x18	45	103
1½x18	18	52	2¼x14	21	59	2¾x14	25⅔	88	3¾x20	50	84
1½x19	19	74	2¼x15	22½	61	2¾x16	29⅓	68	3¾x21	52½	123
1½x19½	19½	57	2¼x16	24	55	2¾x18	33	88	3¾x22	55	104
1½x20	20	53	2¼x17	25½	71	2¾x20	36⅔	82	3¾x24	60	98
1½x21	21	59	2¼x18	27	73	3¼x 4	8⅔	56	4¼x 5	14⅙	70
1½x22	22	54	2¼x19	28½	75	3¼x 5	10⅚	56	4¼x 6	17	70
1½x22½	22½	61	2¼x20	30	80	3¼x 6	13	56	4¼x 7	19⅚	71
1½x23	23	89	2¼x21	31½	86	3¼x 7	15⅙	57	4¼x 8	22⅔	71
1½x24	24	55	2¼x22	33	88	3¼x 8	17⅓	57	4¼x 9	25½	71
1½x24½	24½	86	2¼x23	34½	90	3¼x 9	19½	57	4¼x10	28⅓	71
1½x25	25	61	2¼x24	36	95	3¼x10	21⅔	57	4¼x12	34	208
1½x25½	25½	71	2¼x26	39	208	3¼x12	26	206	4¼x18	51	212
1½x26	26	206	2½x 2½	4⅙	21	3¼x18	39	208	4¼x24	68	214
1½x27	27	73	2½x 3	5	14	3½x 3½	8⅙	30	4½x 4½	13½	39
1½x28	28	93	2½x 3½	5⅚	22	3½x 4	9⅓	34	4½x 5	15	44
1½x29	29	206	2½x 4	6⅔	20	3½x 4½	10½	30	4½x 5½	16½	47
1½x30	30	80	2½x 4½	7½	22	3½x 5	11⅔	42	4½x 6	18	52
1¾x 2	2⅓	8	2½x 5	8⅓	22	3½x 5½	12⅚	47	4½x 6½	19½	57
1¾x 3	3½	11	2½x 5½	9⅙	46	3½x 6	14	50	4½x 7	21	59
1¾x 4	4⅔	17	2½x 6	10	28	3½x 6½	15⅙	57	4½x 7½	22½	61
1¾x 5	5⅚	22	2½x 6½	10⅚	56	3½x 7	16⅓	59	4½x 8	24	55
1¾x 6	7	25	2½x 7	11⅔	42	3½x 7½	17½	61	4½x 8½	25½	71
1¾x 7	8⅙	30	2½x 7½	12½	60	3½x 8	18⅔	64	4½x 9	27	73
1¾x 8	9⅓	34	2½x 8	13⅓	37	3½x 8½	19⅚	71	4½x 9½	28½	75
1¾x 9	10½	30	2½x 8½	14⅙	70	3½x 9	21	59	4½x10	30	80
1¾x10	11⅔	42	2½x 9	15	44	3½x 9½	22⅙	75	4½x10½	31½	86
1¾x11	12⅚	47	2½x 9½	15⅚	74	3½x10	23⅓	78	4½x11	33	88
1¾x12	14	50	2½x10	16⅔	45	3½x10½	24½	86	4½x11½	34½	90
1¾x13	15⅙	57	2½x10½	17½	61	3½x11	25⅔	88	4½x12	36	95
1¾x14	16⅓	59	2½x11	18⅓	47	3½x11½	26⅚	90	4½x13	39	208
1¾x15	17½	61	2½x11½	19⅙	89	3½x12	28	93	4½x14	42	99
1¾x16	18⅔	64	2½x12	20	53	3½x13½	31½	86	4½x15	45	103
1¾x17	19⅚	71	2½x13	21⅔	57	3½x14	32⅔	99	4½x16	48	97
1¾x18	21	59	2½x13½	22½	61	3½x15	35	86	4½x17	51	212
1¾x19	22⅙	75	2½x14	23⅓	78	3½x16	37⅓	99	4½x18	54	106
1¾x20	23⅓	78	2½x15	25	61	3½x18	42	99	4½x19	57	212
1¾x22	25⅔	88	2½x16	26⅔	67	3½x20	46⅔	84	4½x20	60	98
1¾x23	26⅚	90	2½x17	28⅓	71	3½x22	51⅓	100	4½x21	63	123
1¾x24	28	93	2½x18	30	80	3½x24	56	98	4½x22	66	107
2¼x 3	4½	13	2½x19	31⅔	75	3¾x 4	10	28	4½x23	69	214
2¼x 4	6	19	2½x20	33⅓	81	3¾x 5	12½	60	4½x24	72	107
2¼x 5	7½	22	2¾x 3	5½	46	3¾x 6	15	44	4½x25	75	105
2¼x 6	9	27	2¾x 4	7⅓	46	3¾x 7	17½	61	4½x26	78	107
2¼x 7	*10½*	*30*	2¾x 5	9⅙	46	3¾x 8	20	53	4½x27	81	218
2¼x 8	*12*	*36*	2¾x 6	11	46	3¾x 9	22½	61	4½x28	84	108

See explanation page 150.

8 Feet in Length.									9 Feet In Length.		
Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.
4½x29	87	218	6¾x 8	36	95	10½x13	91	220	2 x28	42	99
4½x30	90	108	6¾x10	45	103	10½x14	98	220	2 x30	45	103
4¾x 5	15⅚	74	6¾x12	54	106	10½x15	105	123	2 x32	48	97
4¾x 6	19	74	6¾x14	63	123	10¾x12	86	218	3 x 4	9	27
4¾x 7	22⅙	75	6¾x16	72	107	11¼x12	90	108	3 x 6	13½	39
4¾x 8	25⅓	75	6¾x20	90	108	11¼x14	105	123	3 x 8	18	52
4¾x 9	28½	75	6¾x28	126	123	11½x12	92	220	3 x10	22½	61
4¾x10	31⅔	75	7¼x12	58	212	11¾x12	94	220	3 x12	27	73
4¾x12	38	208	7½x 8	40	83	12¼x15	122½	123	3 x14	31½	86
4¾x24	76	216	7½x 9	45	103	12½x14	116⅔	115	3 x16	36	95
5¼x 6	21	59	7½x10	50	84	13½x14	126	123	3 x20	45	103
5¼x 7	24½	86	7½x11	55	104	15 x15	150	116	3 x24	54	106
5¼x 8	28	93	7½x12	60	98	**9 Feet.**			3 x28	63	123
5¼x 9	31½	86	7½x13	65	104				3 x32	72	107
5¼x10	35	86	7½x14	70	101	1 x 2	1½	6	4 x 4	12	36
5¼x12	42	99	7½x15	75	105	1 x 4	3	10	4 x 4½	13½	39
5¼x14	49	210	7½x16	80	109	1 x 6	4½	13	4 x 5	15	44
5¼x16	56	98	7½x17	85	218	1 x 8	6	19	4 x 5½	16½	47
5¼x18	63	123	7½x18	90	108	1 x10	7½	22	4 x 6	18	52
5¼x20	70	101	7½x19	95	220	1 x12	9	27	4 x 6½	19½	57
5¼x21	73½	123	7½x20	100	115	1 x14	10½	30	4 x 7	21	59
5¼x22	77	216	7½x21	105	123	1 x16	12	36	4 x 7½	22½	61
5¼x24	84	108	7½x24	120	110	1 x18	13½	39	4 x 8	24	55
5½x 6	22	54	7¾x12	62	214	1 x20	15	44	4 x 8½	25½	71
5½x 7	25⅔	88	8¼x10	55	104	1 x22	16½	47	4 x 9	27	73
5½x 8	29⅓	68	8¼x12	66	107	1 x24	18	52	4 x 9½	28½	75
5½x 9	33	88	8¼x14	77	216	2 x 2	3	10	4 x10	30	80
5½x12	44	96	8¼x16	88	109	2 x 3	4½	13	4 x10½	31½	86
5½x14	51⅓	100	8¼x18	99	220	2 x 4	6	19	4 x11	33	88
5½x15	55	104	8½x 9	51	212	2 x 5	7½	22	4 x11½	34½	90
5½x18	66	107	8½x12	68	214	2 x 6	9	27	4 x12	36	95
5½x24	88	109	8½x15	85	218	2 x 7	10½	30	4 x13	39	208
5¾x 6	23	89	8½x24	136	110	2 x 8	12	36	4 x14	42	99
5¾x 7	26⅚	90	8¾x10	58⅓	101	2 x 9	13½	39	4 x15	45	103
5¾x 8	30⅔	90	8¾x12	70	101	2 x10	15	44	4 x16	48	97
5¾x 9	34½	90	8¾x13	75⅚	102	2 x11	16½	47	4 x17	51	212
5¾x10	38⅓	90	8¾x14	81⅔	102	2 x12	18	52	4 x17½	52½	123
5¾x12	46	210	8¾x15	87½	102	2 x13	19½	57	4 x18	54	106
6¼x 8	33⅓	81	8¾x24	140	118	2 x14	21	59	4 x19	57	212
6¼x12	50	84	9¼x12	74	216	2 x15	22½	61	4 x20	60	98
6¼x14	58⅓	101	9½x12	76	216	2 x16	24	55	4 x21	63	123
6¼x24	100	115	9½x15	95	220	2 x17	25½	71	4 x22	66	107
6¼x28	116⅔	115	9¾x10	65	104	2 x18	27	73	4 x23	69	214
6½x 9	39	208	9¾x12	78	107	2 x19	28½	75	4 x24	72	107
6½x10	43⅓	83	9¾x14	91	220	2 x20	30	80	4 x24½	73½	123
6½x12	52	97	10¼x12	82	218	2 x21	31½	86	4 x25	75	105
6½x15	65	104	10½x10½	73½	123	2 x22	33	88	4 x26	78	107
6½x18	78	107	10½x11	77	216	2 x23	34½	90	4 x27	81	218
6½x24	104	110	10½x12	84	108	2 x24	36	95	4 x28	84	108
6¾x 7	31½	86	10½x12½	87½	102	2 x26	39	208	4 x29	87	218

See explanation page 159.

9 ft.
10 ft
11 & 12
14
& 16
17 ft.
ft.
& 20
21 ft.
to 23
to

9 Feet in Length.									**10 Feet in Length.**		
Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.
4 x30	90	108	8 x14	84	108	1½x24	27	73	1 x 5	4⅙	21
4 x31	93	220	8 x14½	87	218	1½x28	31½	86	1 x 6	5	14
4 x32	96	110	8 x15	90	108	1½x32	36	95	1 x 7	5⅚	22
5 x 6	22½	61	8 x15½	93	220	1¾x 8	10½	30	1 x 8	6⅔	20
5 x 8	30	80	8 x16	96	110	1¾x16	21	59	1 x 9	7½	22
5 x12	45	103	8 x16½	99	220	1¾x24	31½	86	1 x10	8⅓	22
5 x14	52½	123	8 x20	120	110	1¾x32	42	99	1 x11	9⅙	46
5 x16	60	98	8 x21	126	123	2¼x 8	13½	39	1 x12	10	28
5 x20	75	105	8 x24	144	110	2¼x16	27	73	1 x13	10⅚	56
5 x24	90	108	8 x25	150	116	2½x 4	7½	22	1 x14	11⅔	42
5 x28	105	123	8 x28	168	120	2½x 8	15	44	1 x15	12½	60
5 x32	120	110	8 x30	180	118	2½x12	22½	61	1 x16	13⅓	37
6 x 6	27	73	9 x12	81	218	2½x16	30	80	1 x17	14⅙	70
6 x 7	31½	86	9 x14	94½	123	2½x24	45	103	1 x18	15	44
6 x 8	36	95	9 x32	216	120	2¾x 8	16½	47	1 x19	15⅚	74
6 x10	45	103	10 x10	75	105	2¾x16	33	88	1 x20	16⅔	45
6 x12	54	106	10 x12	90	108	2¾x32	66	107	1 x21	17½	61
6 x14	63	123	10 x14	105	123	3¼x 8	19½	57	1 x22	18⅓	47
6 x16	72	107	10 x16	120	110	3¼x16	39	208	1 x23	19⅙	89
6 x18	81	218	10 x20	150	116	3½x 4	10½	30	1 x24	20	53
6 x20	90	108	10 x24	180	118	3½x 8	21	59	2 x 2	3⅓	8
6 x21	94½	123	10 x32	240	115	3½x12	31½	86	2 x 2½	4⅙	21
6 x22	99	220	11 x12	99	220	3½x16	42	99	2 x 3	5	14
6 x28	126	123	11 x14	115½	123	3½x20	52½	123	2 x 3½	5⅚	22
6 x32	144	110	11 x32	264	121	3½x24	63	123	2 x 4	6⅔	20
7 x 8	42	99	12 x14	126	123	3½x28	73½	123	2 x 4½	7½	22
7 x10	52½	123	12 x16	144	110	3¾x 8	22½	61	2 x 5	8⅓	22
7 x12	63	123	12 x20	180	118	3¾x16	45	103	2 x 5½	9⅙	46
7 x14	73½	123	12 x24	216	120	4¼x 8	25½	71	2 x 6	10	28
7 x15	78¾	123	12 x32	288	121	4½x 8	27	73	2 x 6½	10⅚	56
7 x16	84	108	14 x16	168	120	4½x16	54	106	2 x 7	11⅔	42
7 x18	94½	123	15 x16	180	118	4¾x 8	28½	75	2 x 7½	12½	60
7 x20	105	123	16 x16	192	113	4¾x16	57	212	2 x 8	13⅓	37
7 x22	115½	123	16 x18	216	120	5¼x 8	31½	86	2 x 8½	14⅙	70
7 x24	126	123	16 x20	240	115	5¼x16	63	123	2 x 9	15	44
7 x32	168	120	16 x22	264	121	5½x 8	33	88	2 x 9½	15⅚	74
8 x 8	48	97	16 x25	300	117	5½x16	66	107	2 x10	16⅔	45
8 x 8½	51	212	16 x26	312	121	5½x24	99	220	2 x10½	17½	61
8 x 8¾	52½	123	16 x28	336	121	5¾x 8	34½	90	2 x11	18⅓	47
8 x 9	54	106	16 x30	360	121	5¾x16	69	214	2 x11½	19⅙	89
8 x 9½	57	212	20 x20	300	117	6½x 8	39	208	2 x12	20	53
8 x10	60	98	20 x24	360	121	7½x 8	45	103	2 x13	21⅔	57
8 x10½	63	123	1¼x 8	7½	22	7½x16	90	108	2 x13½	22½	61
8 x11	66	107	1¼x16	15	44	10½x12	94½	123	2 x14	23⅓	78
8 x11½	69	214	1¼x24	22½	61	**10 Feet.**			2 x15	25	61
8 x12	72	107	1½x 4	4½	13				2 x16	26⅔	67
8 x12¼	73½	123	1½x 8	9	27	1 x 1	⅚	5	2 x17	28⅓	71
8 x12½	75	105	1½x12	13½	39	1 x 2	1⅔	6	2 x18	30	80
8 x13	*78*	*107*	1½x16	18	52	1 x 3	2½	9	2 x19	31⅔	75
8 x13½	*81*	*218*	1½x20	22½	61	1 x 4	3⅓	8	2 x20	33⅓	81

See explanation page 159.

10 Feet in Length.

Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.
2 x21	35	86	4 x15	50	84	8 x 9¾	65	104	12 x26	260	119
2 x22	36⅔	82	4 x18	60	98	8 x10½	70	101	12 x28	280	119
2 x23	38⅓	90	4 x21	70	101	8 x11¼	75	105	12 x30	300	117
2 x24	40	83	4 x24	80	109	8 x12	80	109	12 x32	320	119
2 x26	43⅓	83	4 x27	90	108	8 x12¼	81⅔	102	13 x16	173⅓	114
2 x27	45	103	4 x30	100	115	8 x12¾	85	218	13 x20	216⅔	116
2 x28	46⅔	84	5 x 6	25	61	8 x13½	90	108	13 x24	260	119
3 x 3	7½	22	5 x 8	33⅓	81	8 x14	93⅓	113	14 x16	186⅔	114
3 x 4	10	28	5 x12	50	84	8 x14¼	95	220	14 x24	280	119
3 x 5	12½	60	5 x14	58⅓	101	8 x15	100	115	15 x16	200	116
3 x 6	15	44	5 x18	75	105	8 x16	106⅔	112	15 x24	300	117
3 x 7	17½	61	5 x24	100	115	8 x18	120	110	16 x16	213⅓	113
3 x 8	20	53	5 x28	116⅔	115	8 x20	133⅓	116	16 x17	226⅔	115
3 x 9	22½	61	6 x 6	30	80	8 x21	140	118	16 x18	240	115
3 x10	25	61	6 x 7	35	86	8 x22	146⅔	114	16 x19	253⅓	115
3 x12	30	80	6 x 8	40	83	8 x24	160	111	16 x21	280	119
3 x14	35	86	6 x 9	45	103	8 x25	166⅔	116	16 x24	320	119
3 x16	40	83	6 x10	50	84	8 x26	173⅓	114	16 x25	333⅓	117
3 x18	45	103	6 x11	55	104	8 x27	180	118	16 x27	360	121
3 x20	50	84	6 x12	60	98	8 x28	186⅔	114	16 x30	400	120
3 x21	52½	123	6 x13	65	104	8 x30	200	116	17 x24	340	119
3 x22	55	104	6 x14	70	101	9 x10	75	105	18 x20	300	117
3 x24	60	98	6 x15	75	105	9 x12	90	108	18 x24	360	121
3 x26	65	104	6 x16	80	109	9 x14	105	123	19 x20	316⅔	117
3 x28	70	101	6 x17	85	218	9 x16	120	110	19 x24	380	120
4 x 4	13⅓	37	6 x18	90	108	9 x20	150	116	20 x20	333⅓	117
4 x 4¼	14⅙	70	6 x19	95	220	9 x24	180	118	20 x24	400	120
4 x 4½	15	44	6 x20	100	115	10 x10½	87½	102	24 x24	480	122
4 x 4¾	15⅚	74	6 x21	105	123	10 x12	100	115	1¼x 4	4⅙	21
4 x 5	16⅔	45	6 x24	120	110	10 x14	116⅔	115	1¼x 6	6¼	
4 x 5¼	17½	61	6 x28	140	118	10 x18	150	116	1¼x 8	8⅓	22
4 x 5½	18⅓	47	6 x30	150	116	10 x20	166⅔	116	1¼x12	12½	60
4 x 5¾	19⅙	89	7 x 8	46⅔	84	10 x22	183⅓	116	1¼x16	16⅔	45
4 x 6	20	53	7 x 9	52½	123	10 x24	200	116	1¼x24	25	61
4 x 6½	21⅔	57	7 x10	58⅓	101	10 x26	216⅔	116	1¼x32	33⅓	81
4 x 6¾	22½	61	7 x11	64⅙	101	10 x28	233⅓	117	1½x 2	2½	9
4 x 7	23⅓	78	7 x12	70	101	10 x30	250	117	1½x 4	5	14
4 x 7½	25	61	7 x14	81⅔	102	11 x14	128⅓	123	1½x 6	7½	22
4 x 8	26⅔	67	7 x15	87½	102	11 x16	146⅔	114	1½x 8	10	28
4 x 8½	28⅓	71	7 x16	93⅓	113	11 x20	183⅓	116	1½x10	12½	60
4 x 9	30	80	7 x18	105	123	11 x24	220	118	1½x12	15	44
4 x 9½	31⅔	75	7 x19	110⅚	123	12 x12	120	110	1½x14	17½	61
4 x10	33⅓	81	7 x20	116⅔	115	12 x12¼	122½	123	1½x16	20	53
4 x10½	35	86	7 x21	122½	123	12 x14	140	118	1½x18	22½	61
4 x11	36⅔	82	7 x22	128⅓	123	12 x15	150	116	1½x20	25	61
4 x11½	38⅓	90	7 x23	134⅙	123	12 x16	160	111	1½x24	30	80
4 x12	40	83	7 x24	140	118	12 x18	180	118	1½x28	35	86
4 x13	43⅓	83	8 x 8¼	55	104	12 x20	200	116	1½x32	40	88
4 x13½	45	103	8 x 8¾	58⅓	101	12 x22	220	118	1¾x 4	5⅚	22
4 x14	46⅔	84	8 x 9	60	98	12 x24	240	115	1¾x 8	11⅔	42

See explanation page 169.

10 Feet in Length.

Size.	Feet.	Page.
1¾x12	17½	61
1¾x16	23⅓	78
1¾x24	35	86
2¼x 4	7½	22
2¼x 8	15	44
2¼x12	22½	61
2¼x16	30	80
2¼x24	45	103
2½x 4	8⅓	22
2½x 6	12½	60
2½x 8	16⅔	45
2½x12	25	61
2½x16	33⅓	81
3¾x 4	12½	60
3¾x 8	25	61
3¾x16	50	84
4¼x 8	28⅓	71
4½x 6	22½	61
4½x 8	30	80
4½x12	45	103
4½x14	52½	123
4½x16	60	98
4½x24	90	108
4½x28	105	123
4¾x 8	31⅔	75
5¼x 8	35	86
5¼x12	52½	123
5¼x16	70	101
5¼x24	105	123
5½x 8	36⅔	82
5½x12	55	104
5½x14	64⅙	101
5½x28	128⅓	123
5¾x 8	38⅓	90
6½x 8	43⅓	83
6½x12	65	104
6¾x 8	45	103
7½x 8	50	84
7½x12	75	105
7½x14	87½	102
7½x16	100	115
7½x24	150	116
8½x12	85	218
8½x14	99⅙	123
8¾x12	87½	102
9½x12	95	220
9½x14	110⅚	123
10½x12	105	123

11 Feet in Length.

Size.	Feet.	Page.
1 x 6	5½	46
1 x 8	7⅓	46
1 x10	9⅙	46
1 x12	11	46
1 x14	12⅚	47
1 x16	14⅔	47
1 x18	16½	47
1 x20	18⅓	47
1 x24	22	54
2 x 3	5½	46
2 x 4	7⅓	46
2 x 5	9⅙	46
2 x 6	11	46
2 x 7	12⅚	47
2 x 8	14⅔	47
2 x 9	16½	47
2 x10	18⅓	47
2 x12	22	54
2 x14	25⅔	88
2 x18	33	88
2 x20	36⅔	82
3 x 4	11	46
3 x 6	16½	47
3 x 8	22	54
3 x12	33	88
3 x16	44	96
3 x20	55	104
3 x24	66	107
4 x 4	14⅔	47
4 x 4½	16½	47
4 x 5	18⅓	47
4 x 6	22	54
4 x 7	25⅔	88
4 x 8	29⅓	68
4 x 9	33	88
4 x10	36⅔	82
4 x12	44	96
4 x14	51⅓	100
4 x15	55	104
4 x18	66	107
4 x21	77	216
4 x24	88	109
4 x27	99	220
5 x 8	36⅔	82
5 x12	55	104
5 x14	64⅙	101
5 x28	128⅓	123
6 x 6	33	88
6 x 8	44	96
6 x10	55	104
6 x12	66	107
6 x14	77	216
6 x16	88	109
6 x18	99	220
6 x28	154	
7 x 8	51⅓	100
7 x10	64⅙	101
7 x12	77	216
7 x18	115½	123
7 x20	128⅓	123
8 x 9	66	107
8 x10½	77	216
8 x12	88	109
8 x16	117⅓	112
8 x20	146⅔	114
8 x30	220	118
9 x12	99	220
9 x14	115½	123
10 x20	183⅓	116
10 x24	220	118
12 x20	220	118
12 x24	264	121
15 x16	220	118
16 x18	264	121
1¼x 8	9⅙	46
1½x 4	5½	46
1½x 8	11	46
1½x12	16½	47
1½x16	22	54
1½x24	33	88
1¾x 8	12⅚	47
1¾x16	25⅔	88
2¼x 8	16½	47
2¼x16	33	88
2½x 4	9⅙	46
2½x16	36⅔	82
3½x 4	12⅚	47
3½x 8	25⅔	88
3½x16	51⅓	100
3¾x16	55	104
4½x16	66	107
7½x 8	55	104
10½x12	115½	123

12 Feet.

Size.	Feet.	Page.
1 x 1	1	5
1 x 1½	1½	6
1 x 2	2	7
1 x 2½	2½	9
1 x 3	3	10

12 Feet in Length.

Size.	Feet.	Page
1 x 3½	3½	11
1 x 4	4	12
1 x 4½	4½	13
1 x 5	5	14
1 x 5½	5½	46
1 x 6	6	19
1 x 6½	6½	56
1 x 7	7	25
1 x 7½	7½	22
1 x 8	8	26
1 x 8½	8½	70
1 x 9	9	27
1 x 9½	9½	74
1 x10	10	28
1 x10½	10½	30
1 x11	11	46
1 x11½	11½	89
1 x12	12	36
1 x12½	12½	60
1 x13	13	56
1 x13½	13½	39
1 x14	14	50
1 x15	15	44
1 x16	16	51
1 x16½	16½	47
1 x17	17	70
1 x17½	17½	61
1 x18	18	52
1 x19	19	74
1 x19½	19½	57
1 x20	20	53
1 x21	21	59
1 x22	22	54
1 x22½	22½	61
1 x23	23	89
1 x24	24	55
1 x25	25	61
1 x26	26	206
2 x 2	4	12
2 x 2¼	4½	13
2 x 2½	5	14
2 x 2⅔	5⅓	18
2 x 3	6	19
2 x 3¼	6½	56
2 x 3½	7	25
2 x 3¾	7½	22
2 x 4	8	26
2 x 4¼	8½	70
2 x 4½	9	27
2 x 4¾	9½	74

See explanation page 159.

12 Feet in Length.

Size.	Feet.	Page.	Size.	Feet	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.
2 x 5	10	28	3 x 3	9	27	4 x 8¾	35	86	6 x 6	36	95
2 x 5¼	10½	30	3 x 3½	10½	30	4 x 9	36	95	6 x 6½	39	208
2 x 5½	11	46	3 x 4	12	36	4 x 9¼	37	208	6 x 7	42	99
2 x 5¾	11½	89	3 x 4½	13½	39	4 x 9½	38	208	6 x 7½	45	103
2 x 6	12	36	3 x 5	15	44	4 x 9¾	39	208	6 x 8	48	97
2 x 6¼	12½	60	3 x 5½	16½	47	4 x10	40	83	6 x 8½	51	212
2 x 6½	13	56	3 x 6	18	52	4 x10¼	41	210	6 x 9	54	106
2 x 6¾	13½	39	3 x 6½	19½	57	4 x10½	42	99	6 x 9½	57	212
2 x 7	14	50	3 x 7	21	59	4 x10¾	43	210	6 x10	60	98
2 x 7½	15	44	3 x 7½	22½	61	4 x11	44	96	6 x10½	63	123
2 x 8	16	51	3 x 8	24	55	4 x11¼	45	103	6 x11	66	107
2 x 8¼	16½	47	3 x 8½	25½	71	4 x11½	46	210	6 x11½	69	214
2 x 8½	17	70	3 x 9	27	73	4 x11¾	47	210	6 x12	72	107
2 x 8¾	17½	61	3 x 9½	28½	75	4 x12	48	97	6 x12¼	73½	123
2 x 9	18	52	3 x10	30	80	4 x13	52	97	6 x12½	75	105
2 x 9½	19	74	3 x10½	31½	86	4 x14	56	98	6 x13	78	107
2 x 9¾	19½	57	3 x11	33	88	4 x15	60	98	6 x13½	81	218
2 x10	20	53	3 x11½	34½	90	4 x16	64	109	6 x14	84	108
2 x10½	21	59	3 x12	36	95	4 x17	68	214	6 x14½	87	218
2 x11	22	54	3 x13	39	208	4 x18	72	107	6 x15	90	108
2 x11¼	22½	61	3 x14	42	99	4 x19	76	216	6 x15½	93	220
2 x11½	23	89	3 x15	45	103	4 x20	80	109	6 x16	96	110
2 x12	24	55	3 x16	48	97	4 x21	84	108	6 x16½	99	220
2 x12¼	24½	86	3 x17	51	212	4 x22	88	109	6 x20	120	110
2 x12½	25	61	3 x18	54	106	4 x23	92	220	6 x21	126	123
2 x12¾	25½	71	3 x19	57	212	4 x24	96	110	6 x24	144	110
2 x13	26	206	3 x20	60	98	4 x25	100	115	6 x25	150	116
2 x13½	27	73	3 x21	63	123	4 x26	104	110	6 x28	168	120
2 x14	28	93	3 x22	66	107	4 x28	112	110	6 x30	180	118
2 x14¼	28½	75	3 x23	69	214	4 x30	120	110	7 x 7	49	210
2 x14½	29	206	3 x24	72	107	5 x 5	25	61	7 x 8	56	98
2 x15	30	80	3 x25	75	105	5 x 6	30	80	7 x 9	63	123
2 x15½	31	208	3 x26	78	107	5 x 7	35	86	7 x10	70	101
2 x16	32	69	3 x27	81	218	5 x 8	40	83	7 x11	77	216
2 x16½	33	88	3 x28	84	108	5 x 9	45	103	7 x12	84	108
2 x17	34	208	4 x 4	16	51	5 x10	50	84	7 x13	91	220
2 x17½	35	86	4 x 4¼	17	70	5 x11	55	104	7 x14	98	220
2 x18	36	95	4 x 4½	18	52	5 x12	60	98	7 x15	105	123
2 x18½	37	208	4 x 4¾	19	74	5 x13	65	104	7 x16	112	110
2 x19	38	208	4 x 5	20	53	5 x14	70	101	7 x18	126	123
2 x19½	39	208	4 x 5¼	21	59	5 x15	75	105	7 x20	140	118
2 x20	40	83	4 x 5½	22	54	5 x16	80	109	7 x24	168	120
2 x20½	41	210	4 x 5¾	23	89	5 x17	85	218	8 x 8	64	109
2 x21	42	99	4 x 6	24	55	5 x18	90	108	8 x 8¼	66	107
2 x21½	43	210	4 x 6¼	25	61	5 x19	95	220	8 x 8½	68	214
2 x22	44	96	4 x 6½	26	206	5 x20	100	115	8 x 8¾	70	101
2 x22½	45	103	4 x 6¾	27	73	5 x21	105	123	8 x 9	72	107
2 x23	46	210	4 x 8	32	69	5 x24	120	110	8 x 9¼	74	216
2 x23½	47	210	4 x 8¼	33	88	5 x28	140	118	8 x 9½	76	216
2 x24	48	97	4 x 8½	34	208	5 x30	150	116	8 x 9¾	78	107

See explanation page 159.

12 Feet in Length.

Size.	Feet.	Page.	Size.	Feet.	Page	Size.	Feet.	Page.	Size.	Feet.	Page.
8 x10	80	109	12 x15	180	118	1½x13	19½	57	2½x22	55	104
8 x10¼	82	218	12 x16	192	113	1½x14	21	59	2½x24	60	98
8 x10½	84	108	12 x20	240	115	1½x15	22½	61	2½x26	65	104
8 x10¾	86	218	12 x22	264	121	1½x16	24	55	2½x28	70	101
8 x11	88	109	12 x25	300	117	1½x17	25½	71	2½x30	75	105
8 x11¼	90	108	12 x26	312	121	1½x18	27	73	2¾x 4	11	46
8 x11½	92	220	12 x28	336	121	1½x19	28½	75	2¾x 6	16½	47
8 x11¾	94	220	12 x30	360	121	1½x20	30	80	2¾x 8	22	54
8 x12	96	110	13 x20	260	119	1½x21	31½	86	2¾x12	33	88
8 x12¼	98	220	13 x24	312	121	1½x22	33	88	2¾x16	44	96
8 x12½	100	115	14 x20	280	119	1½x23	34½	90	2¾x20	55	104
8 x13	104	110	14 x24	336	121	1½x24	36	95	2¾x24	66	107
8 x14	112	110	15 x16	240	115	1½x26	39	208	2¾x28	77	216
8 x15	120	110	15 x20	300	117	1½x28	42	99	3¼x 4	13	56
8 x16	128	110	15 x24	360	121	1¾x 2	3½	11	3¼x 6	19½	57
8 x17	136	110	16 x21	336	121	1¾x 4	7	25	3¼x 8	26	206
8 x18	144	110	16 x25	400	120	1¾x 6	10½	30	3¼x12	39	208
8 x19	152	111	16 x27	432	122	1¾x 8	14	50	3¼x16	52	97
8 x20	160	111	16 x30	480	122	1¾x10	17½	61	3¼x20	65	104
8 x21	168	120	17 x20	340	119	1¾x12	21	59	3¼x24	78	107
8 x24	192	113	17 x24	408	122	1¾x14	24½	86	3¼x28	91	220
8 x25	200	116	18 x20	360	121	1¾x16	28	93	3½x 4	14	50
8 x27	216	120	18 x24	432	122	1¾x18	31½	86	3½x 5	17½	61
8 x30	240	115	19 x20	380	120	1¾x20	35	86	3½x 6	21	59
9 x 9	81	218	19 x24	456	122	1¾x24	42	99	3½x 7	24½	86
9 x10	90	108	20 x20	400	120	1¾x28	49	210	3½x 8	28	93
9 x11	99	220	20 x24	480	122	1¾x30	52½	123	3½x 9	31½	86
9 x14	126	123	1¼x 2	2½	9	2¼x 4	9	27	3½x10	35	86
9 x16	144	110	1¼x 4	5	14	2¼x 6	13½	39	3½x12	42	99
9 x20	180	118	1¼x 6	7½	22	2¼x 8	18	52	3½x14	49	210
9 x24	216	120	1¼x 8	10	28	2¼x10	22½	61	3½x15	52½	123
10 x10	100	115	1¼x10	12½	60	2¼x12	27	73	3½x16	56	98
10 x10½	105	123	1¼x12	15	44	2¼x14	31½	86	3½x18	63	123
10 x12	120	110	1¼x14	17½	61	2¼x16	36	95	3½x20	70	101
10 x14	140	118	1¼x16	20	53	2¼x20	45	103	3½x22	77	216
10 x15	150	116	1¼x18	22½	61	2¼x24	54	106	3½x24	84	108
10 x16	160	111	1¼x20	25	61	2¼x28	63	123	3½x26	91	220
10 x18	180	118	1¼x24	30	80	2½x 3	7½	22	3½x27	94½	123
10 x20	200	116	1¼x28	35	86	2½x 4	10	28	3½x28	98	220
10 x22	220	118	1½x 2	3	10	2½x 5	12½	60	3½x30	105	123
10 x24	240	115	1½x 3	4½	13	2½x 6	15	44	3¾x 4	15	44
10 x25	250	117	1½x 4	6	19	2½x 7	17½	61	3¾x 6	22½	61
10 x26	260	119	1½x 5	7½	22	2½x 8	20	53	3¾x 8	30	80
10 x28	280	119	1½x 6	9	27	2½x 9	22½	61	3¾x12	45	103
10 x32	320	119	1½x 7	10½	30	2½x10	25	61	3¾x14	52½	123
11 x20	220	118	1½x 8	12	36	2½x12	30	80	3¾x16	60	98
11 x24	264	121	1½x 9	13½	39	2½x14	35	86	3¾x20	75	105
12 x12	144	110	1½x10	15	44	2½x16	40	83	3¾x24	90	108
12 x12½	150	116	1½x11	16½	47	2½x18	45	103	3¾x28	105	123
12 x14	168	120	1½x12	18	52	2½x20	50	84	4¼x 8	34	208

See explanation page 159.

12 Feet in Length.

Size.	Feet.	Page.
4¼x12	51	212
4¼x16	68	214
4¼x20	85	218
4½x 5	22½	61
4½x 6	27	73
4½x 7	31½	86
4½x 8	36	95
4½x10	45	103
4½x12	54	106
4½x14	63	123
4½x16	72	107
4½x20	90	108
4½x28	126	123
4¾x 6	28½	75
4¾x 8	38	208
4¾x12	57	212
4¾x16	76	216
4¾x20	95	220
5¼x 6	31½	86
5¼x 8	42	99
5¼x10	52½	123
5¼x12	63	123
5¼x14	73½	123
5¼x16	84	108
5¼x20	105	123
5½x 6	33	88
5½x 8	44	96
5½x10	55	104
5½x12	66	107
5½x14	77	216
5½x16	88	109
5¾x 6	34½	90
5¾x 8	46	210
5¾x12	69	214
5¾x16	92	220
6¼x 8	50	84
6¼x12	75	105
6¼x14	87½	102
6¼x16	100	115
6¼x24	150	116
6½x 8	52	97
6½x10	65	104
6½x12	78	107
6½x14	91	220
6¾x 8	54	106
6¾x12	81	218
7¼x 8	58	212
7¼x12	87	218
7½x 8	60	98
7½x10	*75*	*105*
7½x12	90	108
7½x14	105	123
7½x16	120	110
7½x20	150	116
7½x24	180	118
7¾x 8	62	214
7¾x12	93	220
8¼x12	99	220
8½x10	85	218
8¾x10	87½	102
8¾x12	105	123
8¾x14	122½	123
9½x10	95	220
10½x12	126	123

13 Feet.

Size.	Feet.	Page.
1 x 6	6½	56
1 x 8	8⅔	56
1 x10	10⅚	56
1 x12	13	56
1 x14	15⅙	57
1 x16	17⅓	57
1 x18	19½	57
1 x20	21⅔	57
1 x24	26	206
2 x 3	6½	56
2 x 4	8⅔	56
2 x 5	10⅚	56
2 x 6	13	56
2 x 7	15⅙	57
2 x 8	17⅓	57
2 x 9	19½	57
2 x10	21⅔	57
2 x12	26	206
2 x18	39	208
2 x20	43⅓	83
2 x24	52	97
3 x 4	13	56
3 x 6	19½	57
3 x 8	26	206
3 x12	39	208
3 x16	52	97
3 x20	65	104
3 x24	78	107
3 x28	91	220
4 x 4	17⅓	57
4 x 4½	19½	57
4 x 5	21⅔	57
4 x 6	26	206
4 x 9	39	208
4 x10	43⅓	83
4 x12	52	97
4 x14	60⅔	100
4 x15	65	104
4 x18	78	107
4 x21	91	220
5 x 8	43⅓	83
5 x12	65	104
5 x14	75⅚	102
6 x 6	39	208
6 x 8	52	97
6 x10	65	104
6 x12	78	107
6 x14	91	220
6 x16	104	110
7 x 8	60⅔	100
7 x10	75⅚	102
7 x12	91	220
8 x 8¾	75⅚	102
8 x 9	78	107
8 x10½	91	220
8 x12	104	110
8 x16	138⅔	112
8 x20	173⅓	114
8 x25	216⅔	116
8 x30	260	119
10 x24	260	119
12 x20	260	119
12 x24	312	121
15 x16	260	119
16 x18	312	121
1½x 4	6½	56
1½x 8	13	56
1½x12	19½	57
1½x16	26	206
1½x24	39	208
1¾x 8	15⅙	57
2¼x 8	19½	57
2¼x16	39	208
2½x 4	10⅚	56
2½x 8	21⅔	57
3½x 4	15⅙	57
4½x 8	39	208
7½x 8	65	104

14 Feet.

Size.	Feet	Page.
1 x 1	1⅙	6
1 x 2	2⅓	8
1 x 3	3½	11
1 x 4	4⅔	17
1 x 5	5⅚	22
1 x 6	7	25
1 x 7	8⅙	30
1 x 8	9⅓	34
1 x 9	10½	30
1 x10	11⅔	42
1 x11	12⅚	47
1 x12	14	50
1 x13	15⅙	57
1 x14	16⅓	59
1 x15	17½	61
1 x16	18⅔	64
1 x17	19⅚	71
1 x18	21	59
1 x19	22⅙	75
1 x20	23⅓	78
1 x21	24½	86
1 x22	25⅔	88
1 x23	26⅚	90
1 x24	28	93
2 x 2	4⅔	17
2 x 2½	5⅚	22
2 x 3	7	25
2 x 3½	8⅙	30
2 x 4	9⅓	34
2 x 4½	10½	30
2 x 5	11⅔	42
2 x 5½	12⅚	47
2 x 6	14	50
2 x 6½	15⅙	57
2 x 7	16⅓	59
2 x 7½	17½	61
2 x 8	18⅔	64
2 x 8½	19⅚	71
2 x 9	21	59
2 x 9½	22⅙	75
2 x10	23⅓	78
2 x10½	24½	86
2 x11	25⅔	88
2 x11½	26⅚	90
2 x12	28	93
2 x14	32⅔	99
2 x15	35	86
2 x16	37⅓	99
2 x18	42	99
2 x20	46⅔	84
2 x21	49	210
2 x22	51⅓	100
2 x24	56	98
3 x 3	10½	30

See explanation page 159.

14 Feet in Length.

Size.	Feet.	Page	Size.	Feet.	Page	Size.	Feet.	Page.	Size.	Feet.	Page.
3 x 4	14	50	4 x27	126	123	8 x12½	116⅔	115	2¼x 8	21	59
3 x 5	17½	61	4 x30	140	118	8 x13½	126	123	2¼x12	31½	86
3 x 6	21	59	5 x 6	35	86	8 x13¾	128⅓	123	2¼x16	42	99
3 x 8	28	93	5 x 8	46⅔	84	8 x15	140	118	2½x 4	11⅔	42
3 x10	35	86	5 x 9	52½	123	8 x16	149⅓	112	2½x 6	17½	61
3 x12	42	99	5 x10	58⅓	101	8 x18	168	120	2½x 8	23⅓	78
3 x14	49	210	5 x11	64⅙	101	8 x20	186⅔	114	2½x12	35	86
3 x15	52½	123	5 x12	70	101	8 x25	233⅓	117	2½x16	46⅔	84
3 x16	56	98	5 x13	75⅚	102	8 x30	280	119	2¾x 8	25⅔	88
3 x18	63	123	5 x14	81⅔	102	9 x 9	94½	123	3¼x 4	15⅙	57
3 x20	70	101	5 x15	87½	102	9 x10	105	123	3½x 4	16⅓	59
3 x21	73½	123	5 x16	93⅓	113	9 x11	115½	123	3½x 6	24½	86
3 x22	77	216	5 x17	99⅙	123	9 x12	126	123	3½x 8	32⅔	99
3 x24	84	108	5 x18	105	123	9 x16	168	120	3½x12	49	210
3 x26	91	220	5 x19	110⅚	123	10 x10	116⅔	115	3¾x 4	17½	61
4 x 4	18⅔	64	5 x20	116⅔	115	10 x10½	122½	123	3¾x 8	35	86
4 x 4¼	19⅚	71	5 x21	122½	123	10 x11	128⅓	123	3¾x12	52½	123
4 x 4½	21	59	5 x22	128⅓	123	10 x12	140	118	3¾x16	70	101
4 x 4¾	22⅙	75	5 x23	134⅙	123	10 x16	186⅔	114	4½x 6	31½	86
4 x 5	23⅓	78	5 x24	140	118	10 x20	233⅓	117	4½x 8	42	99
4 x 5¼	24½	86	6 x 6	42	99	10 x24	280	119	4½x10	52½	123
4 x 5½	25⅔	88	6 x 7	49	210	12 x12	168	120	4½x12	63	123
4 x 5¾	26⅚	90	6 x 7½	52½	123	12 x20	280	119	4½x14	73½	123
4 x 6	28	93	6 x 8	56	98	12 x24	336	121	4½x16	84	108
4 x 6¾	31½	86	6 x 9	63	123	15 x16	280	119	4½x24	126	123
4 x 7	32⅔	99	6 x10	70	101	16 x18	336	121	5¼x 8	49	210
4 x 7½	35	86	6 x11	77	216	1¼x 4	5⅚	22	5¼x12	73½	123
4 x 8	37⅓	99	6 x12	84	108	1¼x 8	11⅔	42	5¼x16	98	220
4 x 9	42	99	6 x12½	87½	102	1¼x12	17½	61	5½x 8	51⅓	100
4 x10	46⅔	84	6 x13	91	220	1¼x16	23⅓	78	5½x10	64⅙	101
4 x10½	49	210	6 x14	98	220	1¼x24	35	86	5½x12	77	216
4 x11	51⅓	100	6 x15	105	123	1½x 2	3½	11	5½x20	128⅓	123
4 x11¼	52½	123	6 x16	112	110	1½x 4	7	25	6¼x 8	58⅓	101
4 x12	56	98	6 x18	126	123	1½x 6	10½	30	6¼x12	87½	102
4 x12½	58⅓	101	6 x20	140	118	1½x 8	14	50	6¼x16	116⅔	115
4 x13	60⅔	100	6 x24	168	120	1½x10	17½	61	6½x 8	60⅔	100
4 x13½	63	123	7 x 8	65⅓	100	1½x12	21	59	6½x12	91	220
4 x13¾	64⅙	101	7 x 9	73½	123	1½x14	24½	86	6¾x 8	63	123
4 x14	65⅓	100	7 x10	81⅔	102	1½x16	28	93	7½x 8	70	101
4 x15	70	101	7 x12	98	220	1½x18	31½	86	7½x10	87½	102
4 x16	74⅔	111	7 x15	122½	123	1½x20	35	86	7½x12	105	123
4 x16½	77	216	8 x 8	74⅔	111	1½x24	42	99	7½x14	122½	123
4 x17½	81⅔	102	8 x 8¼	77	216	1½x28	49	210	8¾x12	122½	123
4 x18	84	108	8 x 8¾	81⅔	102	1½x30	52½	123	**15 Feet.**		
4 x19½	91	220	8 x 9	84	108	1¾x 4	8⅙	30			
4 x20	93⅓	113	8 x 9¾	91	220	1¾x 8	16⅓	59	1 x 2	2½	9
4 x21	98	220	8 x10	93⅓	113	1¾x12	24½	86	1 x 4	5	14
4 x22½	105	123	8 x10½	98	220	1¾x16	32⅔	99	1 x 6	7½	22
4 x24	112	110	8 x11¼	105	123	1¾x24	49	210	1 x 8	10	28
4 x25	116⅔	115	8 x12	112	110	2¼x 4	10½	30	1 x10	12½	60

See explanation page 159.

15 Feet in Length.									16 Feet In Length.		
Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.
1 x12	15	44	4 x17	85	218	12 x24	360	121	1 x 4½	6	19
1 x14	17½	61	4 x18	90	108	13 x16	260	119	1 x 5	6⅔	20
1 x16	20	53	4 x19	95	220	15 x16	300	117	1 x 5¼	7	25
1 x18	22½	61	4 x20	100	115	16 x18	360	121	1 x 5½	7⅓	46
1 x20	25	61	4 x21	105	123	16 x19	380	120	1 x 6	8	26
1 x24	30	80	4 x24	120	110	16 x20	400	120	1 x 6¼	8⅓	22
1 x28	35	86	4 x28	140	118	16 x24	480	122	1 x 6½	8⅔	56
1 x32	40	83	4 x30	150	116	1¼x 8	12½	60	1 x 6¾	9	27
2 x 2	5	14	5 x 8	50	84	1¼x16	25	61	1 x 7	9⅓	34
2 x 3	7½	22	5 x12	75	105	1¼x32	50	84	1 x 7½	10	28
2 x 4	10	28	5 x14	87½	102	1½x 4	7½	22	1 x 8	10⅔	35
2 x 5	12½	60	5 x16	100	115	1½x 8	15	44	1 x 8¼	11	46
2 x 6	15	44	5 x24	150	116	1½x12	22½	61	1 x 8½	11⅓	70
2 x 7	17½	61	6 x 6	45	103	1½x16	30	80	1 x 8¾	11⅔	42
2 x 8	20	53	6 x 7	52½	123	1½x24	45	103	1 x 9	12	36
2 x 9	22½	61	6 x 8	60	98	1½x32	60	98	1 x 9½	12⅔	74
2 x10	25	61	6 x10	75	105	1¾x 8	17½	61	1 x 9¾	13	56
2 x12	30	80	6 x12	90	108	1¾x16	35	86	1 x10	13⅓	37
2 x14	35	86	6 x14	105	123	1¾x24	52½	123	1 x10½	14	50
2 x16	40	83	6 x16	120	110	1¾x32	70	100	1 x11	14⅔	47
2 x18	45	103	6 x20	150	116	2¼x 8	22½	61	1 x11¼	15	44
2 x20	50	84	6 x24	180	118	2¼x16	45	103	1 x11½	15⅓	89
2 x21	52½	123	7 x 8	70	101	2½x 4	12½	60	1 x12	16	51
2 x22	55	104	7 x12	105	123	2½x 8	25	61	1 x12¼	16⅓	59
2 x24	60	98	7 x14	122½	123	2½x16	50	84	1 x12½	16⅔	45
2 x26	65	104	7 x16	140	118	3½x 4	17½	61	1 x12¾	17	70
3 x 4	15	44	8 x 8	80	109	3½x 8	35	86	1 x13	17⅓	57
3 x 6	22½	61	8 x 9	90	108	3½x12	52½	123	1 x13½	18	52
3 x 8	30	80	8 x10½	105	123	3½x20	87½	102	1 x13¾	18⅓	47
3 x12	45	103	8 x12	120	110	3½x16	70	101	1 x14	18⅔	64
3 x14	52½	123	8 x12¼	122½	123	3½x24	105	123	1 x14¼	19	74
3 x16	60	98	8 x14	140	118	4½x 8	45	103	1 x15	20	53
3 x20	75	105	8 x15	150	116	5¼x 8	52½	123	1 x16	21⅓	65
3 x24	90	108	8 x16	160	111	5¼x16	105	123	1 x16½	22	54
3 x28	105	123	8 x18	180	118	5½x 8	55	104	1 x17	22⅔	71
4 x 4	20	53	8 x20	200	116	6½x 8	65	104	1 x17½	23⅓	78
4 x 4½	22½	61	8 x22	220	118	7½x 8	75	105	1 x18	24	55
4 x 5	25	61	8 x24	240	115	**16 Feet**			1 x19	25⅓	75
4 x 6	30	80	8 x25	250	117				1 x19½	26	206
4 x 7	35	86	8 x26	260	119	1 x 1	1⅓	6	1 x20	26⅔	67
4 x 8	40	83	8 x28	280	119	1 x 1¼	1⅔	6	1 x21	28	93
4 x 9	45	103	8 x30	300	117	1 x 1½	2	7	1 x22	29⅓	68
4 x10	50	84	9 x16	180	118	1 x 1¾	2⅓	8	1 x22½	30	80
4 x10½	52½	123	10 x12	150	116	1 x 2	2⅔	8	1 x23	30⅔	90
4 x11	55	104	10 x20	250	117	1 x 2¼	3	10	1 x24	32	69
4 x12	60	98	10 x24	300	117	1 x 2½	3⅓	8	1 x24½	32⅔	99
4 x13	65	104	11 x16	220	118	1 x 3	4	12	1 x25	33⅓	81
4 x14	70	101	12 x12	180	118	1 x 3½	4⅔	17	2 x 2	5⅓	18
4 x15	75	105	12 x16	240	115	1 x 3¾	5	14	2 x 2¼	6	19
4 x16	80	109	12 x20	300	117	1 x 4	5⅓	18	2 x 2½	6⅔	20

See explanation page 159.

16 Feet in Length.

Size.	Feet.	Page.	Size.	Feet.	Page	Size.	Feet.	Page.	Size.	Feet.	Page.
2 x 2¾	7⅓	46	2 x28	74⅔	111	3 x15	60	98	4 x16½	88	109
2 x 3	8	26	2 x30	80	109	3 x15¼	61	214	4 x17½	93⅓	113
2 x 3¼	8⅔	56	3 x 3	12	36	3 x15½	62	214	4 x18	96	110
2 x 3½	9⅓	34	3 x 3¼	13	56	3 x15¾	63	123	4 x19½	104	110
2 x 3¾	10	28	3 x 3½	14	50	3 x16	64	109	4 x20	106⅔	112
2 x 4	10⅔	35	3 x 3¾	15	44	3 x16¼	65	104	4 x21	112	110
2 x 4¼	11⅓	70	3 x 4	16	51	3 x16½	66	107	4 x22	117⅓	112
2 x 4½	12	36	3 x 4¼	17	70	3 x16¾	67	214	4 x22½	120	110
2 x 4¾	12⅔	74	3 x 4½	18	52	3 x17	68	214	4 x24	128	110
2 x 5	13⅓	37	3 x 4¾	19	74	3 x17¼	69	214	4 x25	133⅓	116
2 x 5¼	14	50	3 x 5	20	53	3 x17½	70	101	4 x25½	136	110
2 x 5½	14⅔	47	3 x 5¼	21	59	3 x17¾	71	216	4 x26	138⅔	112
2 x 5¾	15⅓	89	3 x 5½	22	54	3 x18	72	107	4 x27	144	110
2 x 6	16	51	3 x 5¾	23	89	3 x19	76	216	4 x27½	146⅔	114
2 x 6¼	16⅔	45	3 x 6	24	55	3 x20	80	109	4 x28	149⅓	112
2 x 6½	17⅓	57	3 x 6¼	25	61	3 x21	84	108	4 x28½	152	111
2 x 6¾	18	52	3 x 6½	26	206	3 x22	88	109	4 x30	160	111
2 x 7	18⅔	64	3 x 6¾	27	73	3 x23	92	220	5 x 5	33⅓	81
2 x 7½	20	53	3 x 7	28	93	3 x24	96	110	5 x 5¼	35	86
2 x 8	21⅓	65	3 x 7¼	29	206	3 x25	100	115	5 x 5½	36⅔	82
2 x 8¼	22	54	3 x 7½	30	80	3 x26	104	110	5 x 5¾	38⅓	90
2 x 8½	22⅔	71	3 x 7¾	31	208	3 x28	112	110	5 x 6	40	83
2 x 8¾	23⅓	78	3 x 8	32	69	3 x30	120	110	5 x 6½	43⅓	83
2 x 9	24	55	3 x 8¼	33	88	4 x 4	21⅓	65	5 x 6¾	45	103
2 x 9½	25⅓	75	3 x 8½	34	208	4 x 4¼	22⅔	71	5 x 7	46⅔	84
2 x 9¾	26	206	3 x 8¾	35	86	4 x 4½	24	55	5 x 7½	50	84
2 x10	26⅔	67	3 x 9	36	95	4 x 4¾	25⅓	75	5 x 8¼	55	104
2 x10½	28	93	3 x 9¼	37	208	4 x 5	26⅔	67	5 x 8¾	58⅓	101
2 x11	29⅓	68	3 x 9½	38	208	4 x 5¼	28	93	5 x 9	60	98
2 x11¼	30	80	3 x 9¾	39	208	4 x 5½	29⅓	68	5 x 9¾	65	104
2 x11½	30⅔	90	3 x10	40	83	4 x 5¾	30⅔	90	5 x10½	70	101
2 x12	32	69	3 x10¼	41	210	4 x 6	32	69	5 x11¼	75	105
2 x12¼	32⅔	99	3 x10½	42	99	4 x 6¼	33⅓	81	5 x12	80	109
2 x12½	33⅓	81	3 x10¾	43	210	4 x 6¾	36	95	5 x12¼	81⅔	102
2 x12¾	34	208	3 x11	44	96	4 x 7	37⅓	99	5 x12¾	85	218
2 x13½	36	95	3 x11¼	45	103	4 x 7½	40	83	5 x13½	90	108
2 x13¾	36⅔	82	3 x11½	46	210	4 x 8¼	44	96	5 x14	93⅓	113
2 x14	37⅓	99	3 x11¾	47	210	4 x 8¾	46⅔	84	5 x14¼	95	220
2 x14¼	38	208	3 x12	48	97	4 x 9	48	97	5 x15	100	115
2 x15	40	83	3 x12¼	49	210	4 x 9¾	52	97	5 x16	106⅔	112
2 x16½	44	96	3 x12½	50	84	4 x10½	56	98	5 x18	120	110
2 x17½	46⅔	84	3 x12¾	51	212	4 x11¼	60	98	5 x20	133⅓	116
2 x18	48	97	3 x13	52	97	4 x12	64	109	5 x21	140	118
2 x19½	52	97	3 x13¼	53	212	4 x12¼	65⅓	100	5 x22	146⅔	114
2 x21	56	98	3 x13½	54	106	4 x12¾	68	214	5 x24	160	111
2 x22½	60	98	3 x13¾	55	104	4 x13½	72	107	5 x25	166⅔	116
2 x24	64	109	3 x14	56	98	4 x14	74⅔	111	5 x26	173⅓	114
2 x24½	65⅓	100	3 x14¼	57	212	4 x14¼	76	216	5 x27	180	118
2 x25½	68	214	3 x14½	58	212	4 x15	80	109	5 x28	186⅔	114
2 x27	72	107	3 x14¾	59	212	4 x16	85⅓	111	5 x30	200	116

See explanation page 159.

16 Feet in Length.

Size.	Feet.	Page.	Size.	Feet	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.
5 x32	213⅓	113	7 x11¼	105	123	10 x10	133⅓	116	18 x20	480	122
6 x 6	48	97	7 x12	112	110	10 x10½	140	118	1¼x 1½	2½	9
6 x 6¼	50	84	7 x12½	116⅔	115	10 x11	146⅔	114	1¼x 2	3⅓	8
6 x 6½	52	97	7 x13½	126	123	10 x11¼	150	116	1¼x 2½	4⅙	21
6 x 6¾	54	106	7 x15	140	118	10 x12	160	111	1¼x 3	5	14
6 x 7	56	98	7 x16	149⅓	112	10 x12½	166⅔	116	1¼x 3½	5⅚	22
6 x 7¼	58	212	7 x18	168	120	10 x13	173⅓	114	1¼x 4	6⅔	20
6 x 7½	60	98	7 x20	186⅔	114	10 x13½	180	118	1¼x 4½	7½	22
6 x 7¾	62	214	7 x25	233⅓	117	10 x13¾	183⅓	116	1¼x 5	8⅓	22
6 x 8	64	109	7 x30	280	119	10 x14	186⅔	114	1¼x 5½	9⅙	46
6 x 8¼	66	107	8 x 8	85⅓	111	10 x15	200	116	1¼x 6	10	28
6 x 8½	68	214	8 x 8¼	88	109	10 x16	213⅓	113	1¼x 6½	10⅚	56
6 x 8¾	70	101	8 x 8¾	93⅓	113	10 x17	226⅔	115	1¼x 7	11⅔	42
6 x 9	72	107	8 x 9	96	110	10 x18	240	115	1¼x 7½	12½	60
6 x 9¼	74	216	8 x 9¾	104	110	10 x20	266⅔	115	1¼x 8	13⅓	37
6 x 9½	76	216	8 x10	106⅔	112	10 x21	280	119	1¼x 8½	14⅙	70
6 x 9¾	78	107	8 x10½	112	110	10 x24	320	119	1¼x 9	15	44
6 x10	80	109	8 x11	117⅓	112	10 x25	333⅓	117	1¼x 9½	15⅚	74
6 x10¼	82	218	8 x11¼	120	110	10 x27	360	121	1¼x10	16⅔	45
6 x10½	84	108	8 x12	128	110	10 x30	400	120	1¼x10½	17½	61
6 x10¾	86	218	8 x12½	133⅓	116	11 x15	220	118	1¼x11	18⅓	47
6 x11	88	109	8 x12¾	136	110	11 x18	264	121	1¼x11½	19⅙	89
6 x11¼	90	108	8 x13	138⅔	112	12 x12	192	113	1¼x12	20	53
6 x11½	92	220	8 x13½	144	110	12 x12½	200	116	1¼x13	21⅔	57
6 x11¾	94	220	8 x13¾	146⅔	114	12 x13½	216	120	1¼x13½	22½	61
6 x12	96	110	8 x14	149⅓	112	12 x13¾	220	118	1¼x14	23⅓	78
6 x12¼	98	220	8 x14¼	152	111	12 x15	240	115	1¼x15	25	61
6 x12½	100	115	8 x15	160	111	12 x18	288	121	1¼x16	26⅔	67
6 x13	104	110	8 x16	170⅔	112	12 x18¾	300	117	1¼x17	28⅓	71
6 x14	112	110	8 x17	181⅓	113	12 x20	320	119	1¼x18	30	80
6 x15	120	110	8 x18	192	113	12 x21	336	121	1¼x19	31⅔	75
6 x16	128	110	8 x19	202⅔	113	12 x24	384	121	1¼x20	33⅓	81
6 x17	136	110	8 x20	213⅓	113	12 x25	400	120	1¼x21	35	86
6 x18	144	110	8 x25	266⅔	115	12 x27	432	122	1¼x22	36⅔	82
6 x19	152	111	8 x27	288	121	12 x30	480	122	1¼x23	38⅓	90
6 x20	160	111	8 x30	320	119	13 x15	260	119	1¼x24	40	83
6 x21	168	120	9 x10	120	110	13 x18	312	121	1¼x26	43⅓	83
6 x24	192	113	9 x12	144	110	14 x15	280	119	1¼x27	45	103
6 x25	200	116	9 x12½	150	116	14 x18	336	121	1¼x28	46⅔	84
6 x27	216	120	9 x14	168	120	15 x15	300	117	1¼x30	50	84
6 x30	240	115	9 x15	180	118	15 x16	320	119	1½x 1½	3	10
7 x 7	65⅓	100	9 x16	192	113	15 x17	340	119	1½x 1¾	3½	11
7 x 7½	70	101	9 x18	216	120	15 x18	360	121	1½x 2	4	12
7 x 8	74⅔	111	9 x20	240	115	15 x19	380	120	1½x 2¼	4½	13
7 x 8¼	77	216	9 x22	264	121	15 x20	400	120	1½x 2½	5	14
7 x 8¾	81⅔	102	9 x24	288	121	15 x24	480	122	1½x 2¾	5½	46
7 x 9	84	108	9 x25	300	117	16 x18	384	121	1½x 3	6	19
7 x 9¾	91	220	9 x26	312	121	17 x18	408	122	1½x 3¼	6½	56
7 x10	93⅓	113	9 x28	336	121	18 x18	432	122	1½x 3½	7	25
7 x10½	98	220	9 x30	360	121	18 x19	456	122	1½x 3¾	7½	22

See explanation page 159.

16 Feet in Length.

Size.	Feet.	Page	Size.	Feet.	Page	Size.	Feet	Page.	Size.	Feet	Page.
1½x 4	8	26	1½x23	46	210	1¾x30	70	101	2½x 4¾	15⅚	74
1½x 4¼	8½	70	1½x23½	47	210	2¼x 2½	7½	22	2½x 5	16⅔	45
1½x 4½	9	27	1½x24	48	97	2¼x 3	9	27	2½x 5¼	17½	61
1½x 4¾	9½	74	1½x24½	49	210	2¼x 3½	10½	30	2½x 5½	18⅓	47
1½x 5	10	28	1½x25	50	84	2¼x 4	12	36	2½x 5¾	19⅙	89
1½x 5¼	10½	30	1½x25½	51	212	2¼x 4½	13½	39	2½x 6	20	53
1½x 5½	11	46	1½x26	52	97	2¼x 5	15	44	2½x 6½	21⅔	57
1½x 5¾	11½	89	1½x26½	53	212	2¼x 5½	16½	47	2½x 6¾	22½	61
1½x 6	12	36	1½x27	54	106	2¼x 6	18	52	2½x 7	23⅓	78
1½x 6¼	12½	60	1½x27½	55	104	2¼x 6½	19½	57	2½x 7½	25	61
1½x 6½	13	56	1½x28	56	98	2¼x 7	21	59	2½x 8	26⅔	67
1½x 6¾	13½	39	1½x28½	57	212	2¼x 7½	22½	61	2½x 8½	28⅓	71
1½x 7	14	50	1½x29	58	212	2¼x 8	24	55	2½x 9	30	80
1½x 7½	15	44	1½x29½	59	212	2¼x 8½	25½	71	2½x 9½	31⅔	75
1½x 8	16	51	1½x30	60	98	2¼x 9	27	73	2½x10	33⅓	81
1½x 8¼	16½	47	1¾x 2	4⅔	17	2¼x 9½	28½	75	2½x10½	35	86
1½x 8½	17	70	1¾x 2½	5⅚	22	2¼x10	30	80	2½x11	36⅔	82
1½x 8¾	17½	61	1¾x 3	7	25	2¼x10½	31½	86	2½x11½	38⅓	90
1½x 9	18	52	1¾x 3½	8⅙	30	2¼x11	33	88	2½x12	40	83
1½x 9½	19	74	1¾x 4	9⅓	34	2¼x11½	34½	90	2½x13	43⅓	83
1½x 9¾	19½	57	1¾x 4½	10½	30	2¼x12	36	95	2½x13½	45	103
1½x10	20	53	1¾x 5	11⅔	42	2¼x13	39	208	2½x14	46⅔	84
1½x10½	21	59	1¾x 5½	12⅚	47	2¼x14	42	99	2½x15	50	84
1½x11	22	54	1¾x 6	14	50	2¼x15	45	103	2½x16½	55	104
1½x11¼	22½	61	1¾x 6½	15⅙	57	2¼x16	48	97	2½x17½	58⅓	101
1½x11½	23	89	1¾x 7	16⅓	59	2¼x17	51	212	2½x18	60	98
1½x12	24	55	1¾x 7½	17½	61	2¼x17½	52½	123	2½x19½	65	104
1½x12¼	24½	86	1¾x 8	18⅔	64	2¼x18	54	106	2½x21	70	101
1½x12½	25	61	1¾x 8½	19⅚	71	2¼x19	57	212	2½x22½	75	105
1½x13	26	206	1¾x 9	21	59	2¼x20	60	98	2½x24	80	109
1½x13½	27	73	1¾x 9½	22⅙	75	2¼x21	63	123	2½x24½	81⅔	102
1½x14	28	93	1¾x10	23⅓	78	2¼x22	66	107	2½x25½	85	218
1½x14¼	28½	75	1¾x10½	24½	86	2¼x23	69	214	2½x27	90	108
1½x14½	29	206	1¾x11	25⅔	88	2¼x24	72	107	2½x28	93⅓	113
1½x15	30	80	1¾x11½	26⅚	90	2¼x24½	73½	123	2½x28½	95	220
1½x15½	31	208	1¾x12	28	93	2¼x25	75	105	2½x30	100	115
1½x16	32	69	1¾x13½	31½	86	2¼x26	78	107	2¾x 3	11	46
1½x16½	33	88	1¾x14	32⅔	99	2¼x27	81	218	2¾x 3½	12⅚	47
1½x17	34	208	1¾x15	35	86	2¼x28	84	108	2¾x 4	14⅔	47
1½x17½	35	86	1¾x16	37⅓	99	2¼x29	87	218	2¾x 4½	16½	47
1½x18	36	95	1¾x18	42	99	2¼x30	90	108	2¾x 5	18⅓	47
1½x18½	37	208	1¾x20	46⅔	84	2½x 2½	8⅓	22	2¾x 6	22	54
1½x19	38	208	1¾x21	49	210	2½x 2¾	9⅙	46	2¾x 7	25⅔	88
1½x19½	39	208	1¾x22	51⅓	100	2½x 3	10	28	2¾x 8	29⅓	68
1½x20	40	83	1¾x24	56	98	2½x 3¼	10⅚	56	2¾x 9	33	88
1½x20½	41	210	1¾x25	58⅓	101	2½x 3½	11⅔	42	2¾x10	36⅔	82
1½x21	42	99	1¾x26	60⅔	100	2½x 3¾	12½	60	2¾x12	44	96
1½x21½	43	210	1¾x27	63	123	2½x 4	13⅓	37	2¾x14	51⅓	100
1½x22	*44*	*96*	1¾x27½	64⅙	101	2½x 4¼	14⅙	70	2¾x15	55	104
1½x22½	*45*	*103*	1¾x28	65⅓	100	2½x 4½	15	44	2¾x17½	64⅙	101

See explanation page 159.

16 Feet in Length.

Size.	Feet.	Page	Size.	Feet	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.
2¾x18	66	107	3½x22½	105	123	4½x 9½	57	212	5¾x12	92	220
2¾x21	77	216	3½x24	112	110	4½x10	60	98	6¼x 7	58⅓	101
2¾x24	88	109	3½x25	116⅔	115	4½x10½	63	123	6¼x 9	75	105
2¾x27	99	220	3½x27	126	123	4½x11	66	107	6¼x10½	87½	102
3¼x 3½	15⅙	57	3½x27½	128⅓	123	4½x11½	69	214	6¼x12	100	115
3¼x 4	17⅓	57	3½x30	140	118	4½x12	72	107	6¼x14	116⅔	115
3¼x 4½	19½	57	3¾x 4	20	53	4½x12¼	73½	123	6½x 7½	65	104
3¼x 5	21⅔	57	3¾x 4½	22½	61	4½x12½	75	105	6¾x 7	63	123
3¼x 6	26	206	3¾x 5	25	61	4½x13	78	107	6¾x 8	72	107
3¼x 9	39	208	3¾x 6	30	80	4½x13½	81	218	6¾x 9	81	218
3¼x10	43⅓	83	3¾x 7	35	86	4½x14	84	108	6¾x10	90	108
3¼x12	52	97	3¾x 8	40	83	4½x14½	87	218	6¾x11	99	220
3¼x14	60⅔	100	3¾x 9	45	103	4½x15	90	108	6¾x14	126	123
3¼x15	65	104	3¾x10	50	84	4½x15½	93	220	6¾x16	144	110
3¼x18	78	107	3¾x10½	52½	123	4½x16	96	110	7¼x 9	87	218
3¼x21	91	220	3¾x11	55	104	4½x16½	99	220	7½x 7½	75	105
3¼x24	104	110	3¾x12	60	98	4½x17½	105	123	7½x 8	80	109
3½x 3½	16⅓	59	3¾x13	65	104	4½x20	120	110	7½x 8½	85	218
3½x 3¾	17½	61	3¾x14	70	101	4½x21	126	123	7½x 9	90	108
3½x 4	18⅔	64	3¾x15	75	105	4½x24	144	110	7½x 9½	95	220
3½x 4¼	19⅚	71	3¾x16	80	109	4½x25	150	116	7½x10	100	115
3½x 4½	21	59	3¾x17	85	218	4½x28	168	120	7½x10½	105	123
3½x 4¾	22⅙	75	3¾x18	90	108	4½x30	180	118	7½x12	120	110
3½x 5	23⅓	78	3¾x19	95	220	4¾x 5	31⅔	75	7½x14	140	118
3½x 5¼	24½	86	3¾x20	100	115	4¾x 6	38	208	7½x15	150	116
3½x 5½	25⅔	88	3¾x21	105	123	4¾x 9	57	212	7½x16	160	111
3½x 5¾	26⅚	90	3¾x24	120	110	4¾x12	76	216	7½x18	180	118
3½x 6	28	93	3¾x28	140	118	4¾x15	95	220	7½x20	200	116
3½x 6¾	31½	86	3¾x30	150	116	5¼x 6	42	99	7½x24	240	115
3½x 7	32⅔	99	4¼x 4½	25½	71	5¼x 7	49	210	7½x28	280	119
3½x 7½	35	86	4¼x 5	28⅓	71	5¼x 8	56	98	7½x30	300	117
3½x 8	37⅓	99	4¼x 6	34	208	5¼x 9	63	123	7¾x 9	93	220
3½x 9	42	99	4¼x 9	51	212	5¼x10	70	101	8¼x 9	99	220
3½x10	46⅔	84	4¼x12	68	214	5¼x10½	73½	123	8½x12	136	110
3½x10½	49	210	4¼x15	85	218	5¼x11	77	216	8¾x 9	105	123
3½x11	51⅓	100	4¼x24	136	110	5¼x12	84	108	8¾x10	116⅔	115
3½x11¼	52½	123	4½x 4½	27	73	5¼x13	91	220	8¾x10½	122½	123
3½x12	56	98	4½x 4¾	28½	75	5¼x14	98	220	8¾x11	128⅓	123
3½x12½	58⅓	101	4½x 5	30	80	5¼x15	105	123	8¾x12	140	118
3½x13	60⅔	100	4½x 5¼	31½	86	5¼x18	126	123	9½x12	152	111
3½x13½	63	123	4½x 5½	33	88	5¼x20	140	118	10½x12	168	120
3½x14	65⅓	100	4½x 5¾	34½	90	5¼x24	168	120	11¼x12	180	118
3½x15	70	101	4½x 6	36	95	5½x 6	44	96	12½x13	216⅔	116
3½x16	74⅔	111	4½x 6½	39	208	5½x 7½	55	104	12½x14	233⅓	117
3½x16½	77	216	4½x 7	42	99	5½x 9	66	107	12½x15	250	117
3½x17½	81⅔	102	4½x 7½	45	103	5½x10½	77	216	**17 Feet.**		
3½x18	84	108	4½x 8	48	97	5½x12	88	109			
3½x19½	91	220	4½x 8½	51	212	5½x13½	99	220	1 x 6	8½	70
3½x20	93⅓	113	4½x 8¾	52½	123	5¾x 6	46	210	1 x 8	11⅓	70
3½x21	98	220	4½x 9	54	106	5¾x 9	69	214	1 x 9	12¾	

See explanation page 159.

17 Feet in Length.

Size.	Feet.	Page.
1 x10	14⅙	70
1 x12	17	70
1 x14	19⅝	71
1 x16	22⅔	71
1 x18	25½	71
1 x20	28⅓	71
1 x24	34	208
2 x 3	8½	70
2 x 4	11⅓	70
2 x 5	14⅙	70
2 x 6	17	70
2 x 7	19⅝	71
2 x 8	22⅔	71
2 x 9	25½	71
2 x10	28⅓	71
2 x12	34	208
2 x18	51	212
2 x24	68	214
2 x30	85	218
3 x 4	17	70
3 x 6	25½	71
3 x 8	34	208
3 x12	51	212
3 x16	68	214
3 x20	85	218
3 x32	136	110
4 x 4½	25½	71
4 x 5	28⅓	71
4 x 6	34	208
4 x 9	51	212
4 x12	68	214
4 x15	85	218
4 x24	136	110
5 x12	85	218
6 x 6	51	212
6 x 8	68	214
6 x10	85	218
6 x16	136	110
8 x12	136	110
8 x30	340	119
10 x24	340	119
12 x20	340	119
15 x16	340	119
1¼x 8	14⅙	70
1¼x16	28⅓	71
1½x 4	8½	70
1½x 8	17	70
1½x12	25½	71
1½x16	*34*	*208*
1½x24	*51*	*212*
1½x32	68	214
1¾x 8	19⅝	71
2¼x 8	25½	71
2¼x16	51	212
2½x 4	14⅙	70
2½x 8	28⅓	71
2½x24	85	218
3½x 4	19⅝	71
3¾x16	85	218
4½x 8	51	212
4½x16	102	

18 Feet.

18 Feet in Length.

Size.	Feet.	Page.
1 x 1	1½	6
1 x 2	3	10
1 x 3	4½	13
1 x 4	6	19
1 x 5	7½	22
1 x 6	9	27
1 x 7	10½	30
1 x 8	12	36
1 x 9	13½	39
1 x10	15	44
1 x11	16½	47
1 x12	18	52
1 x13	19½	57
1 x14	21	59
1 x15	22½	61
1 x16	24	55
1 x17	25½	71
1 x18	27	73
1 x19	28½	75
1 x20	30	80
1 x21	31½	86
1 x22	33	88
1 x23	34½	90
1 x24	36	95
1 x26	39	208
1 x28	42	99
1 x30	45	103
1 x32	48	97
1 x34	51	212
1 x36	54	106
2 x 2	6	19
2 x 2½	7½	22
2 x 3	9	27
2 x 3½	10½	30
2 x 4	12	36
2 x 4½	13½	39
2 x 5	15	44
2 x 5½	16½	47
2 x 6	18	52
2 x 7	21	59
2 x 7½	22½	61
2 x 8	24	55
2 x 8½	25½	71
2 x 9	27	73
2 x 9½	28½	75
2 x10	30	80
2 x10½	31½	86
2 x11	33	88
2 x11½	34½	90
2 x12	36	95
2 x13	39	208
2 x14	42	99
2 x15	45	103
2 x16	48	97
2 x17	51	212
2 x18	54	106
2 x19	57	212
2 x20	60	98
2 x21	63	123
2 x22	66	107
2 x23	69	214
2 x24	72	107
2 x25	75	105
2 x26	78	107
2 x27	81	218
2 x28	84	108
2 x29	87	218
2 x30	90	108
2 x31	93	220
2 x32	96	110
2 x33	99	220
3 x 3	13½	39
3 x 4	18	52
3 x 5	22½	61
3 x 6	27	73
3 x 7	31½	86
3 x 8	36	95
3 x 9	40½	
3 x10	45	103
3 x11	49½	
3 x12	54	106
3 x14	63	123
3 x15	67½	
3 x16	72	107
3 x17	76½	
3 x18	81	218
3 x20	90	108
3 x21	94½	123
3 x22	99	220
3 x25	112½	
3 x28	126	123
3 x32	144	110
4 x 4	24	55
4 x 4¼	25½	71
4 x 4½	27	73
4 x 4¾	28½	75
4 x 5	30	80
4 x 5¼	31½	86
4 x 5½	33	88
4 x 5¾	34½	90
4 x 6	36	95
4 x 6½	39	208
4 x 7	42	99
4 x 7½	45	103
4 x 8	48	97
4 x 8½	51	212
4 x 9	54	106
4 x 9½	57	212
4 x10	60	98
4 x10½	63	123
4 x11	66	107
4 x11½	69	214
4 x12	72	107
4 x12¼	73½	123
4 x12½	75	105
4 x13	78	107
4 x13½	81	218
4 x14	84	108
4 x14½	87	218
4 x15	90	108
4 x15½	93	220
4 x16	96	110
4 x16½	99	220
4 x17½	105	123
4 x20	120	110
4 x21	126	123
4 x24	144	110
4 x25	150	116
4 x28	168	120
4 x30	180	118
5 x 6	45	103
5 x 7	52½	123
5 x 8	60	98
5 x10	75	105
5 x12	90	108
5 x14	105	123
5 x16	120	110

See explanation page 159.

18 Feet in Length.									19 Feet in Length.		
Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.
5 x20	150	116	16 x20	480	122	3½x 4	21	59	2 x28	85⅓	111
5 x24	180	118	1¼x 4	7½	22	3½x 6	31½	86	3 x 4	19	74
5 x32	240	115	1¼x 8	15	44	3½x 8	42	99	3 x 6	28½	75
6 x 6	54	106	1¼x12	22½	61	3½x10	52½	123	3 x 8	38	208
6 x 7	63	123	1¼x16	30	80	3½x12	63	123	3 x12	57	212
6 x 8	72	107	1¼x24	45	103	3½x14	73½	123	3 x16	76	216
6 x 9	81	218	1¼x28	52½	123	3½x16	84	108	3 x20	95	220
6 x10	90	108	1¼x32	60	98	3½x18	94½	123	3 x32	152	111
6 x14	126	123	1½x 2	4½	13	3½x20	105	123	4 x 4	25⅓	75
6 x16	144	110	1½x 4	9	27	3½x24	126	123	4 x 4½	28½	75
6 x20	180	118	1½x 6	13½	39	3½x32	168	120	4 x 5	31⅔	75
6 x24	216	120	1½x 8	18	52	3¾x 4	22½	61	4 x 6	38	208
6 x32	288	121	1½x10	22½	61	3¾x 8	45	103	4 x 9	57	212
7 x 7	73½	123	1½x12	27	73	3¾x16	90	108	4 x12	76	216
7 x 8	84	108	1½x14	31½	86	3¾x32	180	118	4 x15	95	220
7 x 9	94½	123	1½x16	36	95	4¼x 8	51	212	4 x24	152	111
7 x10	105	123	1½x20	45	103	4½x 8	54	106	5 x12	95	220
7 x12	126	123	1½x24	54	106	4½x12	81	218	6 x 6	57	212
7 x16	168	120	1½x28	63	123	4½x14	94½	123	6 x 8	76	216
8 x 8	96	110	1½x32	72	107	4¾x 8	57	212	6 x10	95	220
8 x 8¼	99	220	1½x40	90	108	5¼x 8	63	123	6 x16	152	111
8 x 8¾	105	123	1¾x 4	10½	30	5¼x16	126	123	8 x12	152	111
8 x10	120	110	1¾x 8	21	59	5½x 8	66	107	8 x30	380	120
8 x10½	126	123	1¾x12	31½	86	5½x12	99	220	10 x24	380	120
8 x12	144	110	1¾x16	42	99	5¾x 8	69	214	12 x20	380	120
8 x12½	150	116	1¾x20	52½	123	6¼x 8	75	105	12 x24	456	122
8 x14	168	120	1¾x24	63	123	6½x 8	78	107	15 x16	380	120
8 x15	180	118	1¾x28	73½	123	6¾x 8	81	218	16 x18	456	122
8 x16	192	113	1¾x32	84	108	7¼x 8	87	218	1¼x 8	15⅚	74
8 x18	216	120	2¼x 4	13½	39	7½x 8	90	108	1¼x16	31⅔	75
8 x20	240	115	2¼x 8	27	73	19 Feet.			1½x 4	9½	74
8 x22	264	121	2¼x16	54	106				1½x 8	19	74
8 x25	300	117	2¼x24	81	218	1 x 6	9½	74	1½x12	28½	75
8 x26	312	121	2½x 4	15	44	1 x 8	12⅔	74	1½x16	38	208
8 x28	336	121	2½x 6	22½	61	1 x10	15⅚	74	1½x24	57	212
8 x30	360	121	2½x 8	30	80	1 x12	19	74	1½x32	76	216
9 x16	216	120	2½x12	45	103	1 x16	25⅓	75	1¾x 8	22⅙	75
10 x12	180	118	2½x14	52½	123	1 x18	28½	75	2¼x 8	28½	75
10 x16	240	115	2½x16	60	98	1 x20	31⅔	75	2¼x16	57	212
10 x20	300	117	2½x20	75	105	1 x24	38	208	2½x 8	31⅔	75
10 x24	360	121	2½x24	90	108	2 x 3	9½	74	4½x 8	57	212
11 x16	264	121	2½x28	105	123	2 x 4	12⅔	74	7½x 8	95	220
12 x12	216	120	2½x32	120	110	2 x 5	15⅚	74	20 Feet.		
12 x20	360	121	2¾x 4	16½	47	2 x 6	19	74			
13 x16	312	121	2¾x 8	33	88	2 x 8	25⅓	75	1 x 1	1⅔	6
14 x16	336	121	2¾x16	66	107	2 x 9	28½	75	1 x 1½	2½	9
15 x16	360	121	2¾x24	99	220	2 x10	31⅔	75	1 x 2	3⅓	8
16 x16	384	121	3¼x 4	19½	57	2 x12	38	208	1 x 2½	4⅙	21
16 x18	432	122	3¼x 8	39	208	2 x18	57	212	1 x 3	5	14
16 x19	456	122	3¼x16	78	107	2 x24	76	216	1 x 4	6⅔	20

See explanation page 159.

20 Feet in Length.

Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet	Page	Size.	Feet	Page.
1 x 4½	7½	22	2 x 6	20	53	3 x20	100	115	5 x16	133⅓	116
1 x 5	8⅓	22	2 x 6½	21⅔	57	3 x21	105	123	5 x18	150	116
1 x 5½	9⅙	46	2 x 6¾	22½	61	3 x24	120	110	5 x20	166⅔	116
1 x 6	10	28	2 x 7	23⅓	78	3 x28	140	118	5 x22	183⅓	116
1 x 6½	10⅚	56	2 x 7½	25	61	3 x30	150	116	5 x24	200	116
1 x 7	11⅔	42	2 x 8	26⅔	67	3 x32	160	111	5 x26	216⅔	116
1 x 7½	12½	60	2 x 8½	28⅓	71	3 x36	180	118	5 x28	233⅓	117
1 x 8	13⅓	37	2 x 9	30	80	4 x 4	26⅔	67	5 x30	250	117
1 x 8½	14⅙	70	2 x 9½	31⅔	75	4 x 4¼	28⅓	71	5 x32	266⅔	115
1 x 9	15	44	2 x10	33⅓	81	4 x 4½	30	80	5 x34	283⅓	117
1 x 9½	15⅚	74	2 x10½	35	86	4 x 4¾	31⅔	75	5 x36	300	117
1 x10	16⅔	45	2 x11	36⅔	82	4 x 5	33⅓	81	6 x 6	60	98
1 x10½	17½	61	2 x11½	38⅓	90	4 x 5¼	35	86	6 x 6½	65	104
1 x11	18⅓	47	2 x12	40	83	4 x 5½	36⅔	82	6 x 7	70	101
1 x11½	19⅙	89	2 x13	43⅓	83	4 x 5¾	38⅓	90	6 x 7½	75	105
1 x12	20	53	2 x13½	45	103	4 x 6	40	83	6 x 8	80	109
1 x13	21⅔	57	2 x14	46⅔	84	4 x 6½	43⅓	83	6 x 8½	85	218
1 x13½	22½	61	2 x15	50	84	4 x 6¾	45	103	6 x 9	90	108
1 x14	23⅓	78	2 x16½	55	104	4 x 7	46⅔	84	6 x 9½	95	220
1 x15	25	61	2 x17½	58⅓	101	4 x 7½	50	84	6 x10	100	115
1 x16	26⅔	67	2 x18	60	98	4 x 8¼	55	104	6 x10½	105	123
1 x17	28⅓	71	2 x19½	65	104	4 x 8¾	58⅓	101	6 x12	120	110
1 x18	30	80	2 x21	70	101	4 x 9	60	98	6 x14	140	118
1 x19	31⅔	75	2 x22½	75	105	4 x 9¾	65	104	6 x15	150	116
1 x20	33⅓	81	2 x24	80	109	4 x10½	70	101	6 x16	160	111
1 x21	35	86	2 x27	90	108	4 x11¼	75	105	6 x18	180	118
1 x22	36⅔	82	2 x28	93⅓	113	4 x12	80	109	6 x20	200	116
1 x23	38⅓	90	2 x30	100	115	4 x12¼	81⅔	102	6 x22	220	118
1 x24	40	83	2 x32	106⅔	112	4 x12¾	85	218	6 x24	240	115
1 x26	43⅓	83	2 x36	120	110	4 x13½	90	108	6 x25	250	117
1 x27	45	103	3 x 3	15	44	4 x14	93⅓	113	6 x26	260	119
1 x28	46⅔	84	3 x 3½	17½	61	4 x14¼	95	220	6 x28	280	119
1 x30	50	84	3 x 4	20	53	4 x15	100	115	6 x30	300	117
1 x36	60	98	3 x 4½	22½	61	4 x16	106⅔	112	6 x32	320	119
2 x 2	6⅔	20	3 x 5	25	61	4 x18	120	110	6 x34	340	119
2 x 2¼	7½	22	3 x 6	30	80	4 x20	133⅓	116	6 x36	360	121
2 x 2½	8⅓	22	3 x 7	35	86	4 x21	140	118	7 x 9	105	123
2 x 2¾	9⅙	46	3 x 8	40	83	4 x22	146⅔	114	7 x10	116⅔	115
2 x 3	10	28	3 x 9	45	103	4 x24	160	111	7 x10½	122½	123
2 x 3¼	10⅚	56	3 x10	50	84	4 x25	166⅔	116	7 x12	140	118
2 x 3½	11⅔	42	3 x10½	52½	123	4 x26	173⅓	114	7 x16	186⅔	114
2 x 3¾	12½	60	3 x11	55	104	4 x27	180	118	7 x24	280	119
2 x 4	13⅓	37	3 x12	60	98	4 x28	186⅔	114	8 x 8	106⅔	112
2 x 4¼	14⅙	70	3 x13	65	104	4 x30	200	116	8 x 8¾	116⅔	115
2 x 4½	15	44	3 x14	70	101	4 x32	213⅓	113	8 x 9	120	110
2 x 4¾	15⅚	74	3 x15	75	105	5 x 6	50	84	8 x10	133⅓	116
2 x 5	16⅔	45	3 x16	80	109	5 x 7	58⅓	101	8 x10½	140	118
2 x 5¼	17½	61	3 x17	85	218	5 x 9	75	105	8 x11	146⅔	114
2 x 5½	*18⅓*	*47*	3 x18	90	108	5 x12	100	115	8 x11¼	150	116
2 x 5¾	*19⅙*	*89*	3 x19	95	220	5 x14	116⅔	115	8 x12	160	111

***See explanation* page 159.**

20 Feet in Length.									21 Feet in Length.		
Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.
8 x12½	166⅔	116	1½x 4	10	28	3¼x 8	43⅓	83	2 x 7	24½	86
8 x13	173⅓	114	1½x 5	12½	60	3¼x12	65	104	2 x 8	28	93
8 x13½	180	118	1½x 6	15	44	3¼x14	75⅚	102	2 x 9	31½	86
8 x15	200	116	1½x 7	17½	61	3½x 4	23⅓	78	2 x10	35	86
8 x16	213⅓	113	1½x 8	20	53	3½x 6	35	86	2 x12	42	99
8 x17	226⅔	115	1½x 9	22½	61	3½x 8	46⅔	84	2 x14	49	210
8 x18	240	115	1½x10	25	61	3½x 9	52½	123	2 x15	52½	123
8 x19	253⅓	115	1½x12	30	80	3½x10	58⅓	101	2 x16	56	98
8 x20	266⅔	115	1½x14	35	86	3½x12	70	101	2 x18	63	123
8 x21	280	119	1½x16	40	83	3½x14	81⅔	102	2 x20	70	101
8 x24	320	119	1½x18	45	103	3½x15	87½	102	2 x22	77	216
8 x25	333⅓	117	1½x20	50	84	3½x16	93⅓	113	2 x24	84	108
8 x27	360	121	1½x22	55	104	3½x18	105	123	2 x26	91	220
8 x30	400	120	1½x24	60	98	3½x19	110⅚	123	3 x 4	21	59
9 x10	150	116	1½x26	65	104	3½x20	116⅔	115	3 x 6	31½	86
9 x12	180	118	1½x28	70	101	3½x21	122½	123	3 x 8	42	99
9 x16	240	115	1½x30	75	105	3½x22	128⅓	123	3 x10	52½	123
9 x20	300	117	1¾x 2	5⅚	22	3½x24	140	118	3 x12	63	123
9 x24	360	121	1¾x 4	11⅔	42	3¾x 4	25	61	3 x14	73½	123
10 x10	166⅔	116	1¾x 6	17½	61	3¾x 8	50	84	3 x16	84	108
10 x11	183⅓	116	1¾x 8	23⅓	78	3¾x12	75	105	3 x18	94½	123
10 x12	200	116	1¾x12	35	86	3¾x14	87½	102	3 x20	105	123
10 x14	233⅓	117	1¾x16	46⅔	84	3¾x16	100	115	3 x22	115½	123
10 x15	250	117	1¾x18	52½	123	3¾x24	150	116	3 x24	126	123
10 x16	266⅔	115	1¾x20	58⅓	101	4¼x12	85	218	4 x 4	28	93
10 x18	300	117	1¾x24	70	101	4½x 6	45	103	4 x 5	35	86
10 x24	400	120	2¼x 4	15	44	4½x 8	60	98	4 x 6	42	99
11 x12	220	118	2¼x 6	22½	61	4½x10	75	105	4 x 7	49	210
12 x12	240	115	2¼x 8	30	80	4½x12	90	108	4 x 8	56	98
12 x13	260	119	2¼x12	45	103	4½x14	105	123	4 x 9	63	123
12 x14	280	119	2¼x14	52½	123	4½x16	120	110	4 x10	70	101
12 x15	300	117	2¼x16	60	98	4½x20	150	116	4 x11	77	216
12 x16	320	119	2¼x20	75	105	4¾x12	95	220	4 x12	84	108
12 x17	340	119	2¼x24	90	108	5¼x 6	52½	123	4 x13	91	220
12 x18	360	121	2¼x28	105	123	5¼x 8	70	101	4 x14	98	220
12 x19	380	120	2½x 3	12½	60	5¼x12	105	123	4 x15	105	123
12 x20	400	120	2½x 4	16⅔	45	5¼x14	122½	123	4 x16	112	110
12 x24	480	122	2½x 6	25	61	5¼x16	140	118	4 x18	126	123
15 x16	400	120	2½x 8	33⅓	81	5½x 6	55	104	4 x20	140	118
16 x18	480	122	2½x12	50	84	5½x14	128⅓	123	4 x24	168	120
1¼x 2	4⅙	21	2½x14	58⅓	101	6¾x 8	90	108	5 x 6	52½	123
1¼x 4	8⅓	22	2½x18	75	105	7½x 8	100	115	5 x 8	70	101
1¼x 6	12½	60	2½x20	83⅓		7½x12	150	116	5 x10	87½	102
1¼x 8	16⅔	45	2½x24	100	115	*21 Feet.			5 x12	105	123
1¼x12	25	61	2¾x 4	18⅓	47				5 x14	122½	123
1¼x16	33⅓	81	2¾x 8	36⅔	82	2 x 2	7	25	6 x 6	63	123
1¼x24	50	84	2¾x12	55	104	2 x 3	10½	30	6 x 8	84	108
1¼x28	58⅓	101	2¾x14	64⅙	101	2 x 4	14	50	6 x 9	94½	123
1½x 2	5	14	2¾x28	128⅓	123	2 x 5	17½	61	6 x10	105	123
1½x 3	7½	22	3¼x 4	21⅔	57	2 x 6	21	59	6 x11	115½	123

See explanation page 159.

21 Feet in Length.

Size.	Feet	Page.
6 x12	126	123
6 x16	168	120
7 x 8	98	220
8 x 8	112	110
8 x 9	126	123
8 x10	140	118
8 x12	168	120
8 x20	280	119
8 x24	336	121
10 x16	280	119
12 x16	336	121

22 Feet.

Size.	Feet	Page.
2 x 2	7⅓	46
2 x 3	11	46
2 x 4	14⅔	47
2 x 5	18⅓	47
2 x 6	22	54
2 x 7	25⅔	88
2 x 8	29⅓	68
2 x 9	33	88
2 x10	36⅔	82
2 x12	44	96
2 x14	51⅓	100
2 x15	55	104
2 x18	66	107
2 x21	77	216
2 x24	88	109
3 x 3	16½	47
3 x 4	22	54
3 x 6	33	88
3 x 8	44	96
3 x10	55	104
3 x12	66	107
3 x14	77	216
3 x16	88	109
3 x18	99	220
3 x21	115½	123
4 x 4	29⅓	68
4 x 5	36⅔	82
4 x 6	44	96
4 x 7	51⅓	100
4 x 9	66	107
4 x12	88	109
4 x16	117⅓	112
4 x20	146⅔	114
4 x23	168⅔	
4 x25	183⅓	116
4 x30	*220*	*118*
5 x 6	*55*	*104*

22 Feet in Length.

Size.	Feet.	Page.
5 x 7	64⅙	101
5 x14	128⅓	123
5 x16	146⅔	114
5 x24	220	118
6 x 6	66	107
6 x 7	77	216
6 x 8	88	109
6 x 9	99	220
6 x20	220	118
6 x24	264	121
7 x 9	115½	123
7 x10	128⅓	123
8 x 8	117⅓	112
8 x10	146⅔	114
8 x15	220	118
8 x18	264	121
9 x16	264	121
10 x10	183⅓	116
10 x12	220	118
12 x12	264	121

23 Feet.

Size.	Feet.	Page.
2 x 3	11½	89
2 x 4	15⅓	89
2 x 5	19⅙	89
2 x 6	23	89
2 x 7	26⅚	90
2 x 8	30⅔	90
2 x 9	34½	90
2 x10	38⅓	90
2 x12	46	210
2 x18	69	214
2 x24	92	220
3 x 3	17¼	
3 x 4	23	89
3 x 6	34½	90
3 x 8	46	210
3 x12	69	214
3 x16	92	220
4 x 4	30⅔	90
4 x 5	38⅓	90
4 x 6	46	210
4 x 9	69	214
4 x12	92	220
6 x 6	69	214
6 x 8	92	220

24 Feet.

Size.	Feet.	Page.
2 x 2	8	26
2 x 3	12	36

24 Feet in Length.

Size.	Feet.	Page.
2 x 4	16	51
2 x 5	20	53
2 x 6	24	55
2 x 7	28	93
2 x 8	32	69
2 x 9	36	95
2 x10	40	83
2 x11	44	96
2 x12	48	97
2 x13	52	97
2 x14	56	98
2 x15	60	98
2 x16	64	109
2 x17	68	214
2 x18	72	107
2 x19	76	216
2 x20	80	109
2 x21	84	108
2 x22	88	109
2 x23	92	220
2 x24	96	110
2 x25	100	115
2 x28	112	110
2 x30	120	110
3 x 3	18	52
3 x 4	24	55
3 x 5	30	80
3 x 6	36	95
3 x 7	42	99
3 x 8	48	97
3 x 9	54	106
3 x10	60	98
3 x11	66	107
3 x12	72	107
3 x13	78	107
3 x14	84	108
3 x15	90	108
3 x16	96	110
3 x20	120	110
3 x21	126	123
3 x24	144	110
3 x25	150	116
3 x28	168	120
3 x30	180	118
4 x 4	32	69
4 x 5	40	83
4 x 6	48	97
4 x 7	56	98
4 x 8	64	109
4 x 9	72	107
4 x10	80	109
4 x11	88	109
4 x12	96	110
4 x14	112	110
4 x15	120	110
4 x17	136	110
4 x18	144	110
4 x20	160	111
4 x21	168	120
4 x24	192	113
4 x25	200	116
4 x27	216	120
4 x30	240	115
5 x 5	50	84
5 x 6	60	98
5 x 7	70	101
5 x 8	80	109
5 x 9	90	108
5 x12	120	110
5 x14	140	118
5 x15	150	116
5 x16	160	111
5 x18	180	118
5 x20	200	116
5 x22	220	118
5 x24	240	115
5 x25	250	117
5 x26	260	119
5 x28	280	119
5 x30	300	117
6 x 6	72	107
6 x 7	84	108
6 x 8	96	110
6 x10	120	110
6 x12	144	110
6 x14	168	120
6 x15	180	118
6 x16	192	113
6 x18	216	120
6 x20	240	115
6 x22	264	121
6 x25	300	117
6 x26	312	121
6 x28	336	121
6 x30	360	121
7 x 7	98	220
7 x 8	112	110
7 x 9	126	123
7 x10	140	118
7 x12	168	120

See explanation page 159.

24 Feet In Length.

Size.	Feet.	Page.
7 x20	280	119
7 x24	336	121
8 x 8	128	110
8 x 9	144	110
8 x10	160	111
8 x15	240	115
8 x20	320	119
8 x21	336	121
8 x24	384	121
8 x25	400	120
8 x27	432	122
8 x30	480	122
9 x10	180	118
9 x12	216	120
9 x20	360	121
9 x24	432	122
10 x10	200	116
10 x11	220	118
10 x12	240	115
10 x13	260	119
10 x14	280	119
10 x15	300	117
10 x16	320	119
10 x17	340	119
10 x18	360	121
10 x19	380	120
10 x20	400	120
10 x24	480	122
11 x12	264	121
12 x12	288	121
12 x13	312	121
12 x14	336	121
12 x15	360	121
12 x16	384	121
12 x17	408	122
12 x18	432	122
12 x19	456	122
12 x20	480	122
15 x16	480	122

25 Feet.

Size.	Feet.	Page.
2 x 2	8⅓	22
2 x 3	12½	60
2 x 4	16⅔	45
2 x 6	25	61
2 x 8	33⅓	81
2 x12	50	84
2 x24	100	115
2 x28	*116⅔*	*115*

25 Feet In Length.

Size.	Feet.	Page.
3 x 4	25	61
3 x 8	50	84
3 x12	75	105
3 x16	100	115
3 x24	150	116
4 x 4	33⅓	81
4 x 6	50	84
4 x 9	75	105
4 x12	100	115
4 x16	133⅓	116
4 x18	150	116
4 x20	166⅔	116
4 x22	183⅓	116
4 x24	200	116
4 x26	216⅔	116
4 x30	250	117
5 x16	166⅔	116
5 x24	250	117
6 x 6	75	105
6 x 7	87½	102
6 x 8	100	115
6 x12	150	116
6 x16	200	116
6 x20	250	117
7 x 8	116⅔	115
7 x16	233⅓	117
8 x 8	133⅓	116
8 x 9	150	116
8 x10	166⅔	116
8 x11	183⅓	116
8 x12	200	116
8 x13	216⅔	116
8 x14	233⅓	117
8 x15	250	117
8 x16	266⅔	115
8 x18	300	117
8 x20	333⅓	117
8 x24	400	120
9 x16	300	117
10 x12	250	117
10 x16	333⅓	117
12 x12	300	117
12 x16	400	120

26 Feet.

Size.	Feet.	Page.
2 x 2	8⅔	56
2 x 3	13	56
2 x 4	17⅓	57
2 x 5	21⅔	57
2 x 6	26	206

26 Feet In Length.

Size.	Feet.	Page.
2 x 9	39	208
2 x10	43⅓	83
2 x12	52	97
2 x14	60⅔	100
2 x15	65	104
2 x18	78	107
2 x21	91	220
2 x24	104	110
3 x 3	19½	57
3 x 4	26	206
3 x 6	39	208
3 x 8	52	97
3 x10	65	104
3 x12	78	107
3 x14	91	220
3 x16	104	110
4 x 5	43⅓	83
4 x 6	52	97
4 x 7	60⅔	100
4 x 9	78	107
4 x12	104	110
4 x16	138⅔	112
4 x20	173⅓	114
4 x25	216⅔	116
5 x 6	65	104
5 x 7	75⅚	102
5 x16	173⅓	114
5 x20	216⅔	116
5 x24	260	119
6 x 6	78	107
6 x 7	91	220
6 x 8	104	110
6 x20	260	119
6 x24	312	121
8 x 8	138⅔	112
8 x10	173⅓	114
8 x15	260	119
8 x18	312	121
9 x16	312	121
10 x10	216⅔	116
10 x12	260	119
12 x12	312	121

27 Feet.

Size.	Feet.	Page.
2 x 2	9	27
2 x 3	13½	39
2 x 4	18	52
2 x 5	22½	61
2 x 6	27	73
2 x 8	36	95

27 Feet In Length.

Size.	Feet.	Page.
2 x10	45	103
2 x12	54	106
2 x14	63	123
2 x16	72	107
2 x18	81	218
2 x20	90	108
2 x21	94½	123
2 x22	99	220
2 x28	126	123
2 x32	144	110
3 x 4	27	73
3 x 8	54	106
3 x12	81	218
3 x14	94½	123
4 x 4	36	95
4 x 5	45	103
4 x 6	54	106
4 x 7	63	123
4 x 8	72	107
4 x 9	81	218
4 x10	90	108
4 x11	99	220
4 x14	126	123
4 x16	144	110
4 x20	180	118
4 x24	216	120
4 x32	288	121
5 x 8	90	108
5 x16	180	118
5 x32	360	121
6 x 6	81	218
6 x 7	94½	123
6 x16	216	120
7 x 8	126	123
8 x 8	144	110
8 x10	180	118
8 x12	216	120
8 x16	288	121
8 x20	360	121
8 x24	432	122
10 x16	360	121
12 x16	432	122

28 Feet.

Size.	Feet.	Page.
1⅓x 3	9⅓	34
2 x 2	9⅓	34
2 x 3	14	50
2 x 4	18⅔	64
2 x 5	23⅓	78
2 x 6	28	93

See explanation page 159.

28 Feet in Length.

Size.	Feet.	Page.
2 x 7	32⅔	99
2 x 8	37⅓	99
2 x 9	42	99
2 x10	46⅔	84
2 x12	56	98
2 x14	65⅓	100
2 x16	74⅔	111
2 x18	84	108
2 x20	93⅓	113
2 x21	98	220
2 x24	112	110
2 x30	140	118
3 x 3	21	59
3 x 4	28	93
3 x 5	35	86
3 x 6	42	99
3 x 7	49	210
3 x 8	56	98
3 x 9	63	123
3 x10	70	101
3 x11	77	216
3 x12	84	108
3 x13	91	220
3 x14	98	220
3 x15	105	123
3 x16	112	110
3 x18	126	123
3 x20	140	118
3 x24	168	120
4 x 4	37⅓	99
4 x 5	46⅔	84
4 x 6	56	98
4 x 7	65⅓	100
4 x 8	74⅔	111
4 x 9	84	108
4 x10	93⅓	113
4 x12	112	110
4 x15	140	118
4 x18	168	120
4 x25	233⅓	117
4 x30	280	119
4 x36	336	121
5 x 5	58⅓	101
5 x 6	70	101
5 x 8	93⅓	113
5 x 9	105	123
5 x10	116⅔	115
5 x11	128⅓	123
5 x12	140	118
5 x16	186⅔	114
5 x20	233⅓	117
5 x24	280	119
6 x 6	84	108
6 x 7	98	220
6 x 8	112	110
6 x 9	126	123
6 x10	140	118
6 x12	168	120
6 x20	280	119
6 x24	336	121
8 x 8	149⅓	112
8 x 9	168	120
8 x10	186⅔	114
8 x15	280	119
8 x18	336	121
9 x16	336	121
10 x10	233⅓	117
10 x12	280	119

29 Feet.

Size.	Feet.	Page.
2 x 6	29	206
2 x12	58	212
3 x 4	29	206
3 x 8	58	212
3 x12	87	218
4 x 6	58	212
4 x 9	87	218
6 x 6	87	218

30 Feet.

Size.	Feet.	Page.
2 x 2	10	28
2 x 3	15	44
2 x 4	20	53
2 x 5	25	61
2 x 6	30	80
2 x 7	35	86
2 x 8	40	83
2 x 9	45	103
2 x10	50	84
2 x11	55	104
2 x12	60	98
2 x13	65	104
2 x14	70	101
2 x15	75	105
2 x16	80	109
2 x17	85	218
2 x18	90	108
2 x19	95	220
2 x20	100	115
2 x21	105	123

30 Feet in Length.

Size.	Feet.	Page.
2 x24	120	110
2 x28	140	118
2 x30	150	116
3 x 3	22½	61
3 x 4	30	80
3 x 6	45	103
3 x 7	52½	123
3 x 8	60	98
3 x10	75	105
3 x12	90	108
3 x14	105	123
3 x16	120	110
3 x20	150	116
3 x24	180	118
4 x20	200	116
4 x22	220	118
4 x24	240	115
4 x25	250	117
4 x26	260	119
4 x28	280	119
4 x30	300	117
5 x 6	75	105
5 x 8	100	115
5 x12	150	116
5 x16	200	116
5 x20	250	117
5 x24	300	117
6 x 6	90	108
6 x 7	105	123
6 x 8	120	110
6 x10	150	116
6 x12	180	118
6 x16	240	115
6 x20	300	117
6 x24	360	121
7 x 8	140	118
7 x16	280	119
8 x 8	160	111
8 x 9	180	118
8 x10	200	116
8 x11	220	118
8 x12	240	115
8 x13	260	119
8 x14	280	119
8 x15	300	117
8 x16	320	119
8 x17	340	119
8 x18	360	121
8 x19	380	120
8 x20	400	120
8 x24	480	122
9 x16	360	121
10 x12	300	117
10 x16	400	120
12 x12	360	121
12 x16	480	122

31 Feet.

Size.	Feet.	Page.
2 x 6	31	208
2 x12	62	214
2 x18	93	220
3 x 4	31	208
3 x 8	62	214
3 x12	93	220
4 x 6	62	214
4 x 9	93	220
6 x 6	93	220

32 Feet.

Size.	Feet.	Page.
2 x 2	10⅔	35
2 x 3	16	51
2 x 4	21⅓	65
2 x 5	26⅔	67
2 x 6	32	69
2 x 9	48	97
2 x12	64	109
2 x14	74⅔	111
2 x15	80	109
2 x16	85⅓	111
2 x18	96	110
2 x21	112	110
2 x22	117⅓	112
2 x24	128	110
2 x25	133⅓	116
2 x26	138⅔	112
3 x 3	24	55
3 x 4	32	69
3 x 5	40	83
3 x 6	48	97
3 x 7	56	98
3 x 8	64	109
3 x 9	72	107
3 x10	80	109
3 x11	88	109
3 x12	96	110
3 x13	104	110
3 x14	112	110
3 x15	120	110
3 x16	128	110
3 x17	136	110

32 Feet in Length.

Size.	Feet.	Page.
3 x18	144	110
3 x19	152	111
3 x20	160	111
3 x21	168	120
3 x24	192	113
3 x25	200	116
3 x27	216	120
3 x30	240	115
4 x 6	64	109
4 x 7	74⅔	111
4 x 8	85⅓	111
4 x 9	96	110
4 x10	106⅔	112
4 x11	117⅓	112
4 x12	128	110
4 x13	138⅔	112
4 x15	160	111
4 x18	192	113
4 x25	266⅔	115
4 x27	288	121
4 x30	320	119
5 x 6	80	109
5 x 7	93⅓	113
5 x 8	106⅔	112
5 x 9	120	110
5 x10	133⅓	116
5 x11	146⅔	114
5 x12	160	111
5 x13	173⅓	114
5 x14	186⅔	114
5 x15	200	116
5 x16	213⅓	115
5 x17	226⅔	115
5 x18	240	115
5 x19	253⅓	115
5 x20	266⅔	115
5 x21	280	119
5 x24	320	119
5 x25	333⅓	117
5 x27	360	121
5 x30	400	120
6 x 6	96	110
6 x 7	112	110
6 x 8	128	110
6 x 9	144	110
6 x10	160	111
6 x12	192	113
6 x15	240	115
6 x20	320	119
6 x21	*336*	*121*
6 x24	384	121
6 x25	400	120
6 x27	432	122
6 x30	480	122
7 x 8	149⅓	112
7 x 9	168	120
7 x10	186⅔	114
7 x15	280	119
7 x18	336	121
8 x 9	192	113
8 x10	213⅓	115
8 x15	320	119
8 x18	384	121
9 x11	264	121
9 x12	288	121
9 x13	312	121
9 x14	336	121
9 x15	360	121
9 x16	384	121
9 x17	408	122
9 x18	432	122
9 x19	456	122
9 x20	480	122
10 x10	266⅔	115
10 x12	320	119
10 x15	400	120
10 x18	480	122
12 x12	384	121
12 x15	480	122

33 Feet.

Size.	Feet.	Page.
2 x 2	11	46
2 x 3	16½	47
2 x 4	22	54
2 x 6	33	88
2 x 8	44	96
2 x10	55	104
2 x12	66	107
2 x14	77	216
2 x16	88	109
2 x18	99	220
2 x21	115½	123
3 x 4	33	88
3 x 8	66	107
3 x12	99	220
3 x14	115½	123
4 x 4	44	96
4 x 5	55	104
4 x 6	66	107
4 x 7	77	216

33 Feet In Length.

Size.	Feet.	Page.
4 x 8	88	109
4 x 9	99	220
4 x20	220	118
4 x24	264	121
5 x16	220	118
6 x 6	99	220
6 x 7	115½	123
6 x16	264	121
8 x10	220	118
8 x12	264	121

34 Feet.

Size.	Feet.	Page.
2 x 2	11⅓	42
2 x 3	17	70
2 x 4	22⅔	71
2 x 5	28⅓	71
2 x 6	34	208
2 x 9	51	212
2 x12	68	214
2 x15	85	218
2 x24	136	110
3 x 3	25½	71
3 x 4	34	208
3 x 6	51	212
3 x 8	68	214
3 x10	85	218
3 x16	136	110
4 x 6	68	214
4 x12	136	110
4 x16	181⅓	113
4 x20	226⅔	115
4 x30	340	119
4 x36	408	122
5 x 6	85	218
5 x16	226⅔	115
5 x24	340	119
6 x 8	136	110
6 x20	340	119
6 x24	408	122
8 x 8	181⅓	113
8 x10	226⅔	115
8 x15	340	119
8 x18	408	122
9 x16	408	122
10 x10	283⅓	117
10 x12	340	119
12 x12	408	122

35 Feet.

Size.	Feet.	Page.
2 x 2	11⅔	42

35 Feet In Length.

Size.	Feet.	Page.
2 x 3	17½	61
2 x 4	23⅓	78
2 x 6	35	86
2 x 8	46⅔	84
2 x 9	52½	123
2 x10	58⅓	101
2 x11	64⅙	101
2 x12	70	101
2 x13	75⅚	102
2 x14	81⅔	102
2 x15	87½	102
2 x16	93⅓	113
2 x18	105	123
2 x19	110⅚	123
2 x20	116⅔	115
2 x21	122½	123
2 x22	128⅓	123
2 x23	134⅙	123
2 x24	140	118
2 x32	186⅔	114
3 x 4	35	86
3 x 6	52½	123
3 x 8	70	101
3 x10	87½	102
3 x12	105	123
3 x16	140	118
4 x 4	46⅔	84
4 x 5	58⅓	101
4 x 6	70	101
4 x 7	81⅔	102
4 x 8	93⅓	113
4 x 9	105	123
4 x10	116⅔	115
4 x11	128⅓	123
4 x12	140	118
4 x16	186⅔	114
4 x20	233⅓	117
4 x24	280	119
5 x 6	87½	102
5 x 8	116⅔	115
5 x16	233⅓	117
6 x 6	105	123
6 x 7	122½	123
6 x 8	140	118
6 x16	280	119
8 x10	233⅓	117
8 x12	280	119

36 Feet.

Size.	Feet.	Page.
2 x 2	12	36

See explanation page 159.

36 Feet in Length

Size.	Feet.	Page.
2 x 3	18	52
2 x 4	24	55
2 x 5	30	80
2 x 6	36	95
2 x 7	42	99
2 x 8	48	97
2 x 9	54	106
2 x10	60	98
2 x11	66	107
2 x12	72	107
2 x13	78	107
2 x14	84	108
2 x15	90	108
2 x16	96	110
2 x20	120	110
2 x21	126	123
2 x24	144	110
2 x28	168	120
2 x30	180	118
3 x 3	27	73
3 x 4	36	95
3 x 5	45	103
3 x 6	54	106
3 x 7	63	123
3 x 8	72	107
3 x 9	81	218
3 x10	90	108
3 x11	99	220
3 x14	126	123
3 x16	144	110
3 x20	180	118
3 x24	216	120
4 x 4	48	97
4 x 5	60	98
4 x 6	72	107
4 x 7	84	108
4 x 8	96	110
4 x10	120	110
4 x12	144	110
4 x14	168	120
4 x15	180	118
4 x16	192	113
4 x18	216	120
4 x20	240	115
4 x22	264	121
4 x25	300	117
4 x26	312	121
4 x28	336	121
4 x30	360	121
5 x 5	75	105
5 x 6	90	108
5 x 7	105	123
5 x 8	120	110
5 x10	150	116
5 x12	180	118
5 x16	240	115
5 x20	300	117
5 x24	360	121
6 x 7	126	123
6 x 8	144	110
6 x10	180	118
6 x12	216	120
6 x20	360	121
6 x24	432	122
7 x 8	168	120
7 x16	336	121
8 x 9	216	120
8 x10	240	115
8 x11	264	121
8 x13	312	121
8 x14	336	121
8 x15	360	121
8 x16	384	121
8 x17	408	122
8 x18	432	122
8 x19	456	122
8 x20	480	122
9 x16	432	122
10 x10	300	117
10 x12	360	121
10 x16	480	122

37 Feet.

Size.	Feet.	Page.
2 x 6	37	208
2 x12	74	216
3 x 4	37	208
3 x 8	74	216
4 x 6	74	216

38 Feet.

Size.	Feet.	Page.
2 x 2	12⅔	74
2 x 3	19	74
2 x 4	25⅓	75
2 x 5	31⅔	75
2 x 6	38	208
2 x 9	57	212
2 x12	76	216
2 x15	95	220
2 x24	152	111
2 x29	183⅔	

38 Feet in Length.

Size.	Feet.	Page.
3 x 3	28½	75
3 x 4	38	208
3 x 6	57	212
3 x 8	76	216
3 x10	95	220
3 x16	152	111
4 x 6	76	216
4 x12	152	111
4 x30	380	120
5 x 6	95	220
5 x16	253⅓	115
5 x24	380	120
6 x 8	152	111
6 x20	380	120
8 x15	380	120
8 x18	456	122
10 x12	380	120

39 Feet.

Size.	Feet.	Page.
2 x 2	13	56
2 x 3	19½	57
2 x 4	26	206
2 x 6	39	208
2 x 8	52	97
2 x10	65	104
2 x12	78	107
2 x14	91	220
2 x16	104	110
3 x 4	39	208
3 x 8	78	107
4 x 4	52	97
4 x 5	65	104
4 x 6	78	107
4 x 7	91	220
4 x 8	104	110
4 x20	260	119
4 x24	312	121
5 x16	260	119
6 x16	312	121
8 x10	260	119
8 x12	312	121

40 Feet.

Size.	Feet.	Page.
2 x 2	13⅓	37
2 x 3	20	53
2 x 4	26⅔	67
2 x 5	33⅓	81
2 x 6	40	83
2 x 7	46⅔	84
2 x 9	60	98

40 Feet in Length.

Size.	Feet.	Page.
2 x12	80	109
2 x15	100	115
2 x16	106⅔	112
2 x18	120	110
2 x20	133⅓	116
2 x21	140	118
2 x22	146⅔	114
2 x24	160	111
2 x25	166⅔	116
2 x26	173⅓	114
2 x27	180	118
2 x28	186⅔	114
2 x30	200	116
3 x 3	30	80
3 x 4	40	83
3 x 5	50	84
3 x 6	60	98
3 x 7	70	101
3 x 8	80	109
3 x 9	90	108
3 x10	100	115
3 x12	120	110
3 x14	140	118
3 x16	160	111
3 x18	180	118
3 x20	200	116
3 x22	220	118
3 x24	240	115
3 x26	260	119
3 x28	280	119
3 x30	300	117
4 x 6	80	109
4 x 7	93⅓	113
4 x 8	106⅔	112
4 x 9	120	110
4 x10	133⅓	116
4 x11	146⅔	114
4 x12	160	111
4 x13	173⅓	114
4 x14	186⅔	114
4 x15	200	116
4 x16	213⅓	113
4 x17	226⅔	115
4 x18	240	115
4 x20	266⅔	115
4 x21	280	119
4 x24	320	119
4 x25	333⅓	117
4 x27	360	121
4 x30	400	120

See explanation page 159.

40 Feet In Length.

Size.	Feet.	Page.
5 x 6	100	115
5 x 7	116⅔	115
5 x 8	133⅓	116
5 x 9	150	116
5 x10	166⅔	116
5 x11	183⅓	116
5 x12	200	116
5 x13	216⅔	116
5 x14	233⅓	117
5 x15	250	117
5 x16	266⅔	115
5 x17	283⅓	117
5 x18	300	117
5 x20	333⅓	117
5 x24	400	120
6 x 6	120	110
6 x 7	140	118
6 x 8	160	111
6 x 9	180	118
6 x10	200	116
6 x11	220	118
6 x12	240	115
6 x13	260	119
6 x14	280	119
6 x15	300	117
6 x16	320	119
6 x17	340	119
6 x18	360	121
6 x19	380	120
6 x20	400	120
6 x24	480	122
7 x 8	186⅔	114
7 x10	233⅓	117
7 x12	280	119
8 x 9	240	115
8 x10	266⅔	115
8 x12	320	119
8 x15	400	120
8 x18	480	122
9 x10	300	117
9 x12	360	121
9 x16	480	122
10 x12	400	120
12 x12	480	122

41 Feet.

Size.	Feet.	Page.
2 x 6	41	210
2 x12	82	218
3 x 4	41	210
3 x 8	82	218

41 Feet In Length.

Size.	Feet.	Page.
4 x 6	82	218

42 Feet.

Size.	Feet.	Page.
2 x 2	14	50
2 x 3	21	59
2 x 4	28	93
2 x 5	35	86
2 x 6	42	99
2 x 7	49	210
2 x 8	56	98
2 x 9	63	123
2 x10	70	101
2 x11	77	216
2 x12	84	108
2 x13	91	220
2 x14	98	220
2 x15	105	123
2 x16	112	110
2 x18	126	123
2 x20	140	118
2 x24	168	120
3 x 3	31½	86
3 x 4	42	99
3 x 5	52½	123
3 x 6	63	123
3 x 8	84	108
3 x 9	94½	123
3 x10	105	123
3 x11	115½	123
3 x12	126	123
3 x16	168	120
4 x 4	56	98
4 x 5	70	101
4 x 6	84	108
4 x 7	98	220
4 x 8	112	110
4 x 9	126	123
4 x10	140	118
4 x12	168	120
4 x20	280	119
4 x24	336	121
5 x 6	105	123
5 x 7	122½	123
5 x 8	140	118
5 x16	280	119
6 x 6	126	123
6 x 8	168	120
6 x16	336	121
8 x10	280	119
8 x12	336	121

43 Feet In Length.

Size.	Feet.	Page.
2 x 6	43	210
2 x12	86	218
3 x 4	43	210
3 x 8	86	218
4 x 6	86	218

44 Feet.

Size.	Feet.	Page.
2 x 2	14⅔	47
2 x 3	22	54
2 x 4	29⅓	68
2 x 5	36⅔	82
2 x 6	44	96
2 x 7	51⅓	100
2 x 9	66	107
2 x12	88	109
2 x16	117⅓	112
2 x20	146⅔	114
2 x25	183⅓	116
3 x 3	33	88
3 x 4	44	96
3 x 5	55	104
3 x 6	66	107
3 x 7	77	216
3 x 8	88	109
3 x 9	99	220
3 x20	220	118
3 x24	264	121
4 x 6	88	109
4 x 8	117⅓	112
4 x10	146⅔	114
4 x18	264	121
5 x 7	128⅓	123
5 x 8	146⅔	114
5 x12	220	118
6 x10	220	118
6 x12	264	121
8 x 9	264	121

45 Feet.

Size.	Feet.	Page.
2 x 2	15	44
2 x 3	22½	61
2 x 4	30	80
2 x 6	45	103
2 x 7	52½	123
2 x 8	60	98
2 x10	75	105
2 x12	90	108
2 x14	105	123
2 x16	120	110
2 x20	150	116

45 Feet In Length.

Size.	Feet.	Page.
2 x24	180	118
3 x 4	45	103
3 x 8	90	108
3 x16	180	118
4 x 4	60	98
4 x 5	75	105
4 x 6	90	108
4 x 7	105	123
4 x 8	120	110
4 x10	150	116
4 x12	180	118
4 x16	240	115
4 x20	300	117
4 x24	360	121
5 x 8	150	116
5 x16	300	117
6 x 8	180	118
6 x16	360	121
8 x 8	240	115
8 x10	300	117
8 x12	360	121
8 x16	480	122

46 Feet.

Size.	Feet.	Page.
2 x 2	15⅓	89
2 x 3	23	89
2 x 5	38⅓	90
2 x 6	46	210
2 x 9	69	214
2 x12	92	220
3 x 3	34½	90
3 x 4	46	210
3 x 6	69	214
3 x 8	92	220
4 x 6	92	220

47 Feet.

Size.	Feet.	Page.
2 x 6	47	210
2 x12	94	220
3 x 4	47	210
3 x 8	94	220
4 x 6	94	220

48 Feet.

Size.	Feet.	Page.
2 x 2	16	51
2 x 3	24	55
2 x 4	32	69
2 x 5	40	83
2 x 6	48	97
2 x 7	56	98

See explanation page 159.

48 Feet In Length.									50 Feet in Length.		
Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.	Size.	Feet.	Page.
2 x 8	64	109	4 x 9	144	110	6 x17	408	122	2 x28	233⅓	117
2 x 9	72	107	4 x10	160	111	6 x18	432	122	2 x30	250	117
2 x10	80	109	4 x12	192	113	6 x19	456	122	3 x 4	50	84
2 x11	88	109	4 x15	240	115	6 x20	480	122	3 x 6	75	105
2 x12	96	110	4 x18	288	121	7 x10	280	119	3 x 7	87½	102
2 x13	104	110	4 x20	320	119	7 x12	336	121	3 x 8	100	115
2 x14	112	110	4 x21	336	121	8 x12	384	121	3 x12	150	116
2 x15	120	110	4 x24	384	121	8 x15	480	122	3 x16	200	116
2 x17	136	110	4 x25	400	120	9 x10	360	121	3 x20	250	117
2 x18	144	110	4 x27	432	122	9 x12	432	122	3 x24	300	117
2 x20	160	111	4 x30	480	122	10 x12	480	122	4 x 6	100	115
2 x21	168	120	5 x 5	100	115	**49 Feet.**			4 x 7	116⅔	115
2 x24	192	113	5 x 6	120	110				4 x 8	133⅓	116
2 x25	200	116	5 x 7	140	118	2 x 2	16⅓	59	4 x 9	150	116
2 x30	240	115	5 x 8	160	111	2 x 3	24½	86	4 x10	166⅔	116
3 x 3	36	95	5 x 9	180	118	2 x 6	49	210	4 x11	183⅓	116
3 x 4	48	97	5 x10	200	116	2 x12	98	220	4 x12	200	116
3 x 5	60	98	5 x11	220	118	2 x15	122½	123	4 x13	216⅔	116
3 x 6	72	107	5 x12	240	115	3 x 4	49	210	4 x14	233⅓	117
3 x 7	84	108	5 x13	260	119	3 x 8	98	220	4 x15	250	117
3 x 8	96	110	5 x14	280	119	3 x10	122½	123	4 x16	266⅔	115
3 x10	120	110	5 x15	300	117	4 x 6	98	220	4 x18	300	117
3 x12	144	110	5 x16	320	119	5 x 6	122½	123	4 x20	333⅓	117
3 x14	168	120	5 x17	340	119	**50 Feet.**			4 x24	400	120
3 x15	180	118	5 x18	360	121				5 x 8	166⅔	116
3 x16	192	113	5 x19	380	120	2 x 2	16⅔	45	5 x12	250	117
3 x18	216	120	5 x20	400	120	2 x 3	25	61	5 x16	333⅓	117
3 x20	240	115	5 x24	480	122	2 x 4	33⅓	81	6 x 6	150	116
3 x22	264	121	6 x 6	144	110	2 x 6	50	84	6 x 8	200	116
3 x24	288	121	6 x 7	168	120	2 x 7	58⅓	101	6 x10	250	117
3 x25	300	117	6 x 8	192	113	2 x 9	75	105	6 x12	300	117
3 x26	312	121	6 x 9	216	120	2 x12	100	115	6 x16	400	120
3 x28	336	121	6 x10	240	115	2 x14	116⅔	115	7 x 8	233⅓	117
3 x30	360	121	6 x11	264	121	2 x16	133⅓	116	8 x 9	300	117
4 x 4	64	109	6 x12	288	121	2 x18	150	116	8 x10	333⅓	117
4 x 5	80	109	6 x13	312	121	2 x20	166⅔	116	8 x12	400	120
4 x 6	96	110	6 x14	336	121	2 x22	183⅓	116			
4 x 7	112	110	6 x15	360	121	2 x24	200	116			
4 x 8	128	110	6 x16	384	121	2 x26	216⅔	116			

See explanation page 159.

LUMBER AND COST TABLES.

Multiplication, Division, Etc.

EXPLANATION.

Suppose you wish to find the cost of

```
         37 bushels of oats
      at 33c per bushel,
     ------
        111
       111
     ------
     $ 12.21
```

See page 208, run down margin figures to 33, then under 37 top margin you find $12.21, the correct answer.

Again, suppose you wish to find the cost of 59 ft. lumber, at $16.00 per thousand feet, see page 205, run down side margin to 59, then under 16 top margin you find 9.44; remove point one place to left for $16.00, and you have .944, the answer.

NOTE:—Where you wish to find cost of greater number of feet, add cipher to the number of feet and remove decimal point one place to right, thus:

59 ft.	at $16.00 per thousand,	$	.944
590 ft.	" "		9.44
5900 ft.	" "		94.40

By taking ½ the amount, etc, of amount given, many of the fractional amounts can be found at a glance, that is, suppose you wish to find the cost of 73 articles at 3½c each, see page 203 for 7c, 73 side margin and under 7 at top margin we find 5.11, one-half of 5.11 gives us $2.55½, the cost of 73 articles at 3½c each.

Moving point to right increases, moving point to left decreases. Example: Suppose you wish to find cost of 23 pieces at four and one-tenth cents. Remove point for .41 cts. one place to left, .041. See page 210, run down margin to 23 and under 41 at top margin you find 9.43; now place point one place to left, and you have .943 the cost of 23 articles at .041; if four mills and one-tenth, place point one point more to left, .0041, .0943 the answer.

Table answers equally as well for pounds, articles, yards, numbers, division, multiplication, etc. Example—17 into 1547 how many times? Answer: 91 times, (see page 205), or 17 times 91, or 17×91=1547.

NOTE:—We will send answer written out and explained to any example you may wish answer for, or that you do not fully understand.

Address,

H. R. A. BAUCHMAN,
INDIANAPOLIS, IND.

NOTE:—Can be ordered through trade papers or your stationer.

Lumber and Cost Tables—Multiplication, Division, Etc.

	.01	.02	.03	.04	.05	.06	.07	.08	.09	.10	
1	.01	.02	.03	.04	.05	.06	.07	.08	.09	.10	**1**
2	.02	.04	.06	.08	.10	.12	.14	.16	.18	.20	**2**
3	.03	.06	.09	.12	.15	.18	.21	.24	.27	.30	**3**
4	.04	.08	.12	.16	.20	.24	.28	.32	.36	.40	**4**
5	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	**5**
6	.06	.12	.18	.24	.30	.36	.42	.48	.54	.60	**6**
7	.07	.14	.21	.28	.35	.42	.49	.56	.63	.70	**7**
8	.08	.16	.24	.32	.40	.48	.56	.64	.72	.80	**8**
9	.09	.18	.27	.36	.45	.54	.63	.72	.81	.90	**9**
10	.10	.20	.30	.40	.50	.60	.70	.80	.90	1.00	**10**
11	.11	.22	.33	.44	.55	.66	.77	.88	.99	1.10	**11**
12	.12	.24	.36	.48	.60	.72	.84	.96	1.08	1.20	**12**
13	.13	.26	.39	.52	.65	.78	.91	1.04	1.17	1.30	**13**
14	.14	.28	.42	.56	.70	.84	.98	1.12	1.26	1.40	**14**
15	.15	.30	.45	.60	.75	.90	1.05	1.20	1.35	1.50	**15**
16	.16	.32	.48	.64	.80	.96	1.12	1.28	1.44	1.60	**16**
17	.17	.34	.51	.68	.85	1.02	1.19	1.36	1.53	1.70	**17**
18	.18	.36	.54	.72	.90	1.08	1.26	1.44	1.62	1.80	**18**
19	.19	.38	.57	.76	.95	1.14	1.33	1.52	1.71	1.90	**19**
20	.20	.40	.60	.80	1.00	1.20	1.40	1.60	1.80	2.00	**20**
21	.21	.42	.63	.84	1.05	1.26	1.47	1.68	1.89	2.10	**21**
22	.22	.44	.66	.88	1.10	1.32	1.54	1.76	1.98	2.20	**22**
23	.23	.46	.69	.92	1.15	1.38	1.61	1.84	2.07	2.30	**23**
24	.24	.48	.72	.96	1.20	1.44	1.68	1.92	2.16	2.40	**24**
25	.25	.50	.75	1.00	1.25	1.50	1.75	2.00	2.25	2.50	**25**
26	.26	.52	.78	1.04	1.30	1.56	1.82	2.08	2.34	2.60	**26**
27	.27	.54	.81	1.08	1.35	1.62	1.89	2.16	2.43	2.70	**27**
28	.28	.56	.84	1.12	1.40	1.68	1.96	2.24	2.52	2.80	**28**
29	.29	.58	.87	1.16	1.45	1.74	2.03	2.32	2.61	2.90	**29**
30	.30	.60	.90	1.20	1.50	1.80	2.10	2.40	2.70	3.00	**30**
31	.31	.62	.93	1.24	1.55	1.86	2.17	2.48	2.79	3.10	**31**
32	.32	.64	.96	1.28	1.60	1.92	2.24	2.56	2.88	3.20	**32**
33	.33	.66	.99	1.32	1.65	1.98	2.31	2.64	2.97	3.30	**33**
34	.34	.68	1.02	1.36	1.70	2.04	2.38	2.72	3.06	3.40	**34**
35	.35	.70	1.05	1.40	1.75	2.10	2.45	2.80	3.15	3.50	**35**
36	.36	.72	1.08	1.44	1.80	2.16	2.52	2.88	3.24	3.60	**36**
37	.37	.74	1.11	1.48	1.85	2.22	2.59	2.96	3.33	3.70	**37**
38	.38	.76	1.14	1.52	1.90	2.28	2.66	3.04	3.42	3.80	**38**
39	.39	.78	1.17	1.56	1.95	2.34	2.73	3.12	3.51	3.90	**39**
40	.40	.80	1.20	1.60	2.00	2.40	2.80	3.20	3.60	4.00	**40**
41	.41	.82	1.23	1.64	2.05	2.46	2.87	3.28	3.69	4.10	**41**
42	.42	.84	1.26	1.68	2.10	2.52	2.94	3.36	3.78	4.20	**42**
43	.43	.86	1.29	1.72	2.15	2.58	3.01	3.44	3.87	4.30	**43**
44	.44	.88	1.32	1.76	2.20	2.64	3.08	3.52	3.96	4.40	**44**
45	.45	.90	1.35	1.80	2.25	2.70	3.15	3.60	4.05	4.50	**45**
46	.46	.92	1.38	1.84	2.30	2.76	3.22	3.68	4.14	4.60	**46**
47	.47	.94	1.41	1.88	2.35	2.82	3.29	3.76	4.23	4.70	**47**
48	.48	.96	1.44	1.92	2.40	2.88	3.36	3.84	4.32	4.80	**48**
49	.49	.98	1.47	1.96	2.45	2.94	3.43	3.92	4.41	4.90	**49**
50	.50	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	**50**

***See explanation* pages 201 and 222. For 51 to 100 see next page.**

Lumber and Cost Tables—Multiplication, Division, Etc.

	.01	.02	.03	.04	.05	.06	.07	.08	.09	.10	
51	.51	1.02	1.53	2.04	2.55	3.06	3.57	4.08	4.59	5.10	**51**
52	.52	1.04	1.56	2.08	2.60	3.12	3.64	4.16	4.68	5.20	**52**
53	.53	1.06	1.59	2.12	2.65	3.18	3.71	4.24	4.77	5.30	**53**
54	.54	1.08	1.62	2.16	2.70	3.24	3.78	4.32	4.86	5.40	**54**
55	.55	1.10	1.65	2.20	2.75	3.30	3.85	4.40	4.95	5.50	**55**
56	.56	1.12	1.68	2.24	2.80	3.36	3.92	4.48	5.04	5.60	**56**
57	.57	1.14	1.71	2.28	2.85	3.42	3.99	4.56	5.13	5.70	**57**
58	.58	1.16	1.74	2.32	2.90	3.48	4.06	4.64	5.22	5.80	**58**
59	.59	1.18	1.77	2.36	2.95	3.54	4.13	4.72	5.31	5.90	**59**
60	.60	1.20	1.80	2.40	3.00	3.60	4.20	4.80	5.40	6.00	**60**
61	.61	1.22	1.83	2.44	3.05	3.66	4.27	4.88	5.49	6.10	**61**
62	.62	1.24	1.86	2.48	3.10	3.72	4.34	4.96	5.58	6.20	**62**
63	.63	1.26	1.89	2.52	3.15	3.78	4.41	5.04	5.67	6.30	**63**
64	.64	1.28	1.92	2.56	3.20	3.84	4.48	5.12	5.76	6.40	**64**
65	.65	1.30	1.95	2.60	3.25	3.90	4.55	5.20	5.85	6.50	**65**
66	.66	1.32	1.98	2.64	3.30	3.96	4.62	5 28	5.94	6.60	**66**
67	.67	1.34	2.01	2.68	3.35	4.02	4.69	5.36	6.03	6.70	**67**
68	.68	1.36	2.04	2.72	3 40	4.08	4.76	5.44	6.12	6.80	**68**
69	.69	1.38	2.07	2.76	3.45	4.14	4.83	5.52	6.21	6.90	**69**
70	.70	1.40	2 10	2.80	3.50	4.20	4.90	5.60	6.30	7.00	**70**
71	.71	1.42	2.13	2.84	3.55	4.26	4.97	5.68	6.39	7.10	**71**
72	.72	1.44	2.16	2.88	3.60	4.32	5.04	5.76	6.48	7.20	**72**
73	.73	1.46	2.19	2.92	3.65	4.38	5.11	5.84	6.57	7.30	**73**
74	.74	1.48	2.22	2.96	3.70	4.44	5.18	5.92	6.66	7.40	**74**
75	.75	1.50	2.25	3.00	3.75	4.50	5.25	6.00	6.75	7.50	**75**
76	.76	1.52	2 28	3.04	3.80	4.56	5.32	6.08	6.84	7.60	**76**
77	.77	1.54	2.31	3.08	3.85	4.62	5.39	6.16	6.93	7.70	**77**
78	.78	1.56	2.34	3.12	3.90	4.68	5.46	6.24	7.02	7.80	**78**
79	.79	1.58	2.37	3.16	3.95	4.74	5.53	6.32	7.11	7.90	**79**
80	.80	1.60	2.40	3.20	4.00	4.80	5.60	6.40	7.20	8.00	**80**
81	.81	1.62	2.43	3.24	4.05	4.86	5.67	6.48	7.29	8.10	**81**
82	.82	1.64	2.46	3.28	4.10	4.92	5.74	6.56	7.38	8.20	**82**
83	.83	1.66	2.49	3.32	4.15	4.98	5.81	6.64	7.47	8.30	**83**
84	.84	1.68	2.52	3.36	4.20	5.04	5.88	6.72	7.56	8.40	**84**
85	.85	1.70	2.55	3.40	4.25	5.10	5.95	6.80	7.65	8.50	**85**
86	.86	1.72	2.58	3.44	4.30	5.16	6.02	6.88	7.74	8.60	**86**
87	.87	1.74	2.61	3.48	4.35	5.22	6.09	6.96	7.83	8.70	**87**
88	.88	1.76	2.64	3.52	4.40	5.28	6.16	7.04	7.92	8.80	**88**
89	.89	1.78	2.67	3.56	4.45	5.34	6.23	7.12	8.01	8.90	**89**
90	.90	1.80	2.70	3.60	4.50	5.40	6.30	7.20	8.10	9.00	**90**
91	.91	1.82	2.73	3.64	4.55	5.46	6.37	7.28	8.19	9.10	**91**
92	.92	1.84	2.76	3.68	4.60	5.52	6.44	7.36	8 28	9.20	**92**
93	.93	1.86	2.79	3.72	4.65	5.58	6.51	7.44	8.37	9.30	**93**
94	.94	1.88	2.82	3.76	4.70	5.64	6.58	7.52	8.46	9.40	**94**
95	.95	1.90	2.85	3.80	4.75	5.70	6.65	7.60	8.55	9.50	**95**
96	.96	1.92	2.88	3.84	4.80	5.76	6.72	7.68	8.64	9.60	**96**
97	.97	1.94	2.91	3.88	4.85	5.82	6.79	7.76	8.73	9.70	**97**
98	.98	1.96	2.94	3.92	4.90	5.88	6.86	7.84	8.82	9.80	**98**
99	.99	1.98	2.97	3.96	4.95	5.94	6.93	7.92	8.91	9.90	**99**
100	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	**100**

Prices given in top margin. **Numbers at side margin. See explanation pages *201* and *222*.**

Lumber and Cost Tables—Multiplication, Division, Etc.

	.11	.12	.13	.14	.15	.16	.17	.18	.19	.20	
1	.11	.12	.13	.14	.15	.16	.17	.18	.19	.20	**1**
2	.22	.24	.26	.28	.30	.32	.34	.36	.38	.40	**2**
3	.33	.36	.39	.42	.45	.48	.51	.54	.57	.60	**3**
4	.44	.48	.52	.56	.60	.64	.68	.72	.76	.80	**4**
5	.55	.60	.65	.70	.75	.80	.85	.90	.95	1.00	**5**
6	.66	.72	.78	.84	.90	.96	1.02	1.08	1.14	1.20	**6**
7	.77	.84	.91	.98	1.05	1.12	1.19	1.26	1.33	1.40	**7**
8	.88	.96	1.04	1.12	1.20	1.28	1.36	1.44	1.52	1.60	**8**
9	.99	1.08	1.17	1.26	1.35	1.44	1.53	1.62	1.71	1.80	**9**
10	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	**10**
11	1.21	1.32	1.43	1.54	1.65	1.76	1.87	1.98	2.09	2.20	**11**
12	1.32	1.44	1.56	1.68	1.80	1.92	2.04	2.16	2.28	2.40	**12**
13	1.43	1.56	1.69	1.82	1.95	2.08	2.21	2.34	2.47	2.60	**13**
14	1.54	1.68	1.82	1.96	2.10	2.24	2.38	2.52	2.66	2.80	**14**
15	1.65	1.80	1.95	2.10	2.25	2.40	2.55	2.70	2.85	3.00	**15**
16	1.76	1.92	2.08	2.24	2.40	2.56	2.72	2.88	3.04	3.20	**16**
17	1.87	2.04	2.21	2.38	2.55	2.72	2.89	3.06	3.23	3.40	**17**
18	1.98	2.16	2.34	2.52	2.70	2.88	3.06	3.24	3.42	3.60	**18**
19	2.09	2.28	2.47	2.66	2.85	3.04	3.23	3.42	3.61	3.80	**19**
20	2.20	2.40	2.60	2.80	3.00	3.20	3.40	3.60	3.80	4.00	**20**
21	2.31	2.52	2.73	2.94	3.15	3.36	3.57	3.78	3.99	4.20	**21**
22	2.42	2.64	2.86	3.08	3.30	3.52	3.74	3.96	4.18	4.40	**22**
23	2.53	2.76	2.99	3.22	3.45	3.68	3.91	4.14	4.37	4.60	**23**
24	2.64	2.88	3.12	3.36	3.60	3.84	4.08	4.32	4.56	4.80	**24**
25	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00	**25**
26	2.86	3.12	3.38	3.64	3.90	4.16	4.42	4.68	4.94	5.20	**26**
27	2.97	3.24	3.51	3.78	4.05	4.32	4.59	4.86	5.13	5.40	**27**
28	3.08	3.36	3.64	3.92	4.20	4.48	4.76	5.04	5.32	5.60	**28**
29	3.19	3.48	3.77	4.06	4.35	4.64	4.93	5.22	5.51	5.80	**29**
30	3.30	3.60	3.90	4.20	4.50	4.80	5.10	5.40	5.70	6.00	**30**
31	3.41	3.72	4.03	4.34	4.65	4.96	5.27	5.58	5.89	6.20	**31**
32	3.52	3.84	4.16	4.48	4.80	5.12	5.44	5.76	6.08	6.40	**32**
33	3.63	3.96	4.29	4.62	4.95	5.28	5.61	5.94	6.27	6.60	**33**
34	3.74	4.08	4.42	4.76	5.10	5.44	5.78	6.12	6.46	6.80	**34**
35	3.85	4.20	4.55	4.90	5.25	5.60	5.95	6.30	6.65	7.00	**35**
36	3.96	4.32	4.68	5.04	5.40	5.76	6.12	6.48	6.84	7.20	**36**
37	4.07	4.44	4.81	5.18	5.55	5.92	6.29	6.66	7.03	7.40	**37**
38	4.18	4.56	4.94	5.32	5.70	6.08	6.46	6.84	7.22	7.60	**38**
39	4.29	4.68	5.07	5.46	5.85	6.24	6.63	7.02	7.41	7.80	**39**
40	4.40	4.80	5.20	5.60	6.00	6.40	6.80	7.20	7.60	8.00	**40**
41	4.51	4.92	5.33	5.74	6.15	6.56	6.97	7.38	7.79	8.20	**41**
42	4.62	5.04	5.46	5.88	6.30	6.72	7.14	7.56	7.98	8.40	**42**
43	4.73	5.16	5.59	6.02	6.45	6.88	7.31	7.74	8.17	8.60	**43**
44	4.84	5.28	5.72	6.16	6.60	7.04	7.48	7.92	8.36	8.80	**44**
45	4.95	5.40	5.85	6.30	6.75	7.20	7.65	8.10	8.55	9.00	**45**
46	5.06	5.52	5.98	6.44	6.90	7.36	7.82	8.28	8.74	9.20	**46**
47	5.17	5.64	6.11	6.58	7.05	7.52	7.99	8.46	8.93	9.40	**47**
48	5.28	5.76	6.24	6.72	7.20	7.68	8.16	8.64	9.12	9.60	**48**
49	5.39	5.88	6.37	6.86	7.35	7.84	8.33	8.82	9.31	9.80	**49**
50	5.50	6.00	6.50	7.00	7.50	8.00	8.50	9.00	9.50	10.00	**50**

See explanation pages 201 and 222. **For 51 to 100 see next page.**

	.11	.12	.13	.14	.15	.16	.17	.18	.19	.20	
51	5.61	6.12	6.63	7.14	7.65	8.16	8.67	9.18	9.69	10.20	**51**
52	5.72	6.24	6.76	7.28	7.80	8.32	8.84	9.36	9.88	10.40	**52**
53	5.83	6.36	6.89	7.42	7.95	8.48	9.01	9.54	10.07	10.60	**53**
54	5.94	6.48	7.02	7.56	8.10	8.64	9.18	9.72	10.26	10.80	**54**
55	6.05	6.60	7.15	7.70	8.25	8.80	9.35	9.90	10.45	11.00	**55**
56	6.16	6.72	7.28	7.84	8.40	8.96	9.52	10.08	10.64	11.20	**56**
57	6.27	6.84	7.41	7.98	8.55	9.12	9.69	10.26	10.83	11.40	**57**
58	6.38	6.96	7.54	8.12	8.70	9.28	9.86	10.44	11.02	11.60	**58**
59	6.49	7.08	7.67	8.26	8.85	9.44	10.03	10.62	11.21	11.80	**59**
60	6.60	7.20	7.80	8.40	9.00	9.60	10.20	10.80	11.40	12.00	**60**
61	6.71	7.32	7.93	8.54	9.15	9.76	10.37	10.98	11.59	12.20	**61**
62	6.82	7.44	8.06	8.68	9.30	9.92	10.54	11.16	11.78	12.40	**62**
63	6.93	7.56	8.19	8.82	9.45	10.08	10.71	11.34	11.97	12.60	**63**
64	7.04	7.68	8.32	8.96	9.60	10.24	10.88	11.52	12.16	12.80	**64**
65	7.15	7.80	8.45	9.10	9.75	10.40	11.05	11.70	12.35	13.00	**65**
66	7.26	7.92	8.58	9.24	9.90	10.56	11.22	11.88	12.54	13.20	**66**
67	7.37	8.04	8.71	9.38	10.05	10.72	11.39	12.06	12.73	13.40	**67**
68	7.48	8.16	8.84	9.52	10.20	10.88	11.56	12.24	12.92	13.60	**68**
69	7.59	8.28	8.97	9.66	10.35	11.04	11.73	12.42	13.11	13.80	**69**
70	7.70	8.40	9.10	9.80	10.50	11.20	11.90	12.60	13.30	14.00	**70**
71	7.81	8.52	9.23	9.94	10.65	11.36	12.07	12.78	13.49	14.20	**71**
72	7.92	8.64	9.36	10.08	10.80	11.52	12.24	12.96	13.68	14.40	**72**
73	8.03	8.76	9.49	10.22	10.95	11.68	12.41	13.14	13.87	14.60	**73**
74	8.14	8.88	9.62	10.36	11.10	11.84	12.58	13.32	14.06	14.80	**74**
75	8.25	9.00	9.75	10.50	11.25	12.00	12.75	13.50	14.25	15.00	**75**
76	8.36	9.12	9.88	10.64	11.40	12.16	12.92	13.68	14.44	15.20	**76**
77	8.47	9.24	10.01	10.78	11.55	12.32	13.09	13.86	14.63	15.40	**77**
78	8.58	9.36	10.14	10.92	11.70	12.48	13.26	14.04	14.82	15.60	**78**
79	8.69	9.48	10.27	11.06	11.85	12.64	13.43	14.22	15.01	15.80	**79**
80	8.80	9.60	10.40	11.20	12.00	12.80	13.60	14.40	15.20	16.00	**80**
81	8.91	9.72	10.53	11.34	12.15	12.96	13.77	14.58	15.39	16.20	**81**
82	9.02	9.84	10.66	11.48	12.30	13.12	13.94	14.76	15.58	16.40	**82**
83	9.13	9.96	10.79	11.62	12.45	13.28	14.11	14.94	15.77	16.60	**83**
84	9.24	10.08	10.92	11.76	12.60	13.44	14.28	15.12	15.96	16.80	**84**
85	9.35	10.20	11.05	11.90	12.75	13.60	14.45	15.30	16.15	17.00	**85**
86	9.46	10.32	11.18	12.04	12.90	13.76	14.62	15.48	16.34	17.20	**86**
87	9.57	10.44	11.31	12.18	13.05	13.92	14.79	15.66	16.53	17.40	**87**
88	9.68	10.56	11.44	12.32	13.20	14.08	14.96	15.84	16.72	17.60	**88**
89	9.79	10.68	11.57	12.46	13.35	14.24	15.13	16.02	16.91	17.80	**89**
90	9.90	10.80	11.70	12.60	13.50	14.40	15.30	16.20	17.10	18.00	**90**
91	10.01	10.92	11.83	12.74	13.65	14.56	15.47	16.38	17.29	18.20	**91**
92	10.12	11.04	11.96	12.88	13.80	14.72	15.64	16.56	17.48	18.40	**92**
93	10.23	11.16	12.09	13.02	13.95	14.88	15.81	16.74	17.67	18.60	**93**
94	10.34	11.28	12.22	13.16	14.10	15.04	15.98	16.92	17.86	18.80	**94**
95	10.45	11.40	12.35	13.30	14.25	15.20	16.15	17.10	18.05	19.00	**95**
96	10.56	11.52	12.48	13.44	14.40	15.36	16.32	17.28	18.24	19.20	**96**
97	10.67	11.64	12.61	13.58	14.55	15.52	16.49	17.46	18.43	19.40	**97**
98	10.78	11.76	12.74	13.72	14.70	15.68	16.66	17.64	18.62	19.60	**98**
99	10.89	11.88	12.87	13.86	14.85	15.84	16.83	17.82	18.81	19.80	**99**
100	11.00	12.00	13.00	14.00	15.00	16.00	17.00	18.00	19.00	20.00	**100**

Prices given in top margin. Numbers at side margin. See *explanation pages 201 and 222.*

Lumber and Cost Tables—Multiplication, Division, Etc.

	.21	.22	.23	.24	.25	.26	.27	.28	.29	.30	
1	.21	.22	.23	.24	.25	.26	.27	.28	.29	.30	1
2	.42	.44	.46	.48	.50	.52	.54	.56	.58	.60	2
3	.63	.66	.69	.72	.75	.78	.81	.84	.87	.90	3
4	.84	.88	.92	.96	1.00	1.04	1.08	1.12	1.16	1.20	4
5	1.05	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45	1.50	5
6	1.26	1.32	1.38	1.44	1.50	1.56	1.62	1.68	1.74	1.80	6
7	1.47	1.54	1.61	1.68	1.75	1.82	1.89	1.96	2.03	2.10	7
8	1.68	1.76	1.84	1.92	2.00	2.08	2.16	2.24	2.32	2.40	8
9	1.89	1.98	2.07	2.16	2.25	2.34	2.43	2.52	2.61	2.70	9
10	2.10	2.20	2.30	2.40	2.50	2.60	2.70	2.80	2.90	3.00	10
11	2.31	2.42	2.53	2.64	2.75	2.86	2.97	3.08	3.19	3.30	11
12	2.52	2.64	2.76	2.88	3.00	3.12	3.24	3.36	3.48	3.60	12
13	2.73	2.86	2.99	3.12	3.25	3.38	3.51	3.64	3.77	3.90	13
14	2.94	3.08	3.22	3.36	3.50	3.64	3.78	3.92	4.06	4.20	14
15	3.15	3.30	3.45	3.60	3.75	3.90	4.05	4.20	4.35	4.50	15
16	3.36	3.52	3.68	3.84	4.00	4.16	4.32	4.48	4.64	4.80	16
17	3.57	3.74	3.91	4.08	4.25	4.42	4.59	4.76	4.93	5.10	17
18	3.78	3.96	4.14	4.32	4.50	4.68	4.86	5.04	5.22	5.40	18
19	3.99	4.18	4.37	4.56	4.75	4.94	5.13	5.32	5.51	5.70	19
20	4.20	4.40	4.60	4.80	5.00	5.20	5.40	5.60	5.80	6.00	20
21	4.41	4.62	4.83	5.04	5.25	5.46	5.67	5.88	6.09	6.30	21
22	4.62	4.84	5.06	5.28	5.50	5.72	5.94	6.16	6.38	6.60	22
23	4.83	5.06	5.29	5.52	5.75	5.98	6.21	6.44	6.67	6.90	23
24	5.04	5.28	5.52	5.76	6.00	6.24	6.48	6.72	6.96	7.20	24
25	5.25	5.50	5.75	6.00	6.25	6.50	6.75	7.00	7.25	7.50	25
26	5.46	5.72	5.98	6.24	6.50	6.76	7.02	7.28	7.54	7.80	26
27	5.67	5.94	6.21	6.48	6.75	7.02	7.29	7.56	7.83	8.10	27
28	5.88	6.16	6.44	6.72	7.00	7.28	7.56	7.84	8.12	8.40	28
29	6.09	6.38	6.67	6.96	7.25	7.54	7.83	8.12	8.41	8.70	29
30	6.30	6.60	6.90	7.20	7.50	7.80	8.10	8.40	8.70	9.00	30
31	6.51	6.82	7.13	7.44	7.75	8.06	8.37	8.68	8.99	9.30	31
32	6.72	7.04	7.36	7.68	8.00	8.32	8.64	8.96	9.28	9.60	32
33	6.93	7.26	7.59	7.92	8.25	8.58	8.91	9.24	9.57	9.90	33
34	7.14	7.48	7.82	8.16	8.50	8.84	9.18	9.52	9.86	10.20	34
35	7.35	7.70	8.05	8.40	8.75	9.10	9.45	9.80	10.15	10.50	35
36	7.56	7.92	8.28	8.64	9.00	9.36	9.72	10.08	10.44	10.80	36
37	7.77	8.14	8.51	8.88	9.25	9.62	9.99	10.36	10.73	11.10	37
38	7.98	8.36	8.74	9.12	9.50	9.88	10.26	10.64	11.02	11.40	38
39	8.19	8.58	8.97	9.36	9.75	10.14	10.53	10.92	11.31	11.70	39
40	8.40	8.80	9.20	9.60	10.00	10.40	10.80	11.20	11.60	12.00	40
41	8.61	9.02	9.43	9.84	10.25	10.66	11.07	11.48	11.89	12.30	41
42	8.82	9.24	9.66	10.08	10.50	10.92	11.34	11.76	12.18	12.60	42
43	9.03	9.46	9.89	10.32	10.75	11.18	11.61	12.04	12.47	12.90	43
44	9.24	9.68	10.12	10.56	11.00	11.44	11.88	12.32	12.76	13.20	44
45	9.45	9.90	10.35	10.80	11.25	11.70	12.15	12.60	13.05	13.50	45
46	9.66	10.12	10.58	11.04	11.50	11.96	12.42	12.88	13.34	13.80	46
47	9.87	10.34	10.81	11.28	11.75	12.22	12.69	13.16	13.63	14.10	47
48	10.08	10.56	11.04	11.52	12.00	12.48	12.96	13.44	13.92	14.40	48
49	10.29	10.78	11.27	11.76	12.25	12.74	13.23	13.72	14.21	14.70	49
50	10.50	11.00	11.50	12.00	12.50	13.00	13.50	14.00	14.50	15.00	50

Lumber and Cost Tables—Multiplication, Division, Etc.

	.21	.22	.23	.24	.25	.26	.27	.28	.29	.30	
51	10.71	11.22	11.73	12.24	12.75	13.26	13.77	14.28	14.79	15.30	**51**
52	10.92	11.44	11.96	12.48	13.00	13.52	14.04	14.56	15.08	15.60	**52**
53	11.13	11.66	12.19	12.72	13.25	13.78	14.31	14.84	15.37	15.90	**53**
54	11.34	11.88	12.42	12.96	13.50	14.04	14.58	15.12	15.66	16.20	**54**
55	11.55	12.10	12.65	13.20	13.75	14.30	14.85	15.40	15.95	16.50	**55**
56	11.76	12.32	12.88	13.44	14.00	14.56	15.12	15.68	16.24	16.80	**56**
57	11.97	12.54	13.11	13.68	14.25	14.82	15.39	15.96	16.53	17.10	**57**
58	12.18	12.76	13.34	13.92	14.50	15.08	15.66	16.24	16.82	17.40	**58**
59	12.39	12.98	13.57	14.16	14.75	15.34	15.93	16.52	17.11	17.70	**59**
60	12.60	13.20	13.80	14.40	15.00	15.60	16.20	16.80	17.40	18.00	**60**
61	12.81	13.42	14.03	14.64	15.25	15.86	16.47	17.08	17.69	18.30	**61**
62	13.02	13.64	14.26	14.88	15.50	16.12	16.74	17.36	17.98	18.60	**62**
63	13.23	13.86	14.49	15.12	15.75	16.38	17.01	17.64	18.27	18.90	**63**
64	13.44	14.08	14.72	15.36	16.00	16.64	17.28	17.92	18.56	19.20	**64**
65	13.65	14.30	14.95	15.60	16.25	16.90	17.55	18.20	18.85	19.50	**65**
66	13.86	14.52	15.18	15.84	16.50	17.16	17.82	18.48	19.14	19.80	**66**
67	14.07	14.74	15.41	16.08	16.75	17.42	18.09	18.76	19.43	20.10	**67**
68	14.28	14.96	15.64	16.32	17.00	17.68	18.36	19.04	19.72	20.40	**68**
69	14.49	15.18	15.87	16.56	17.25	17.94	18.63	19.32	20.01	20.70	**69**
70	14.70	15.40	16.10	16.80	17.50	18.20	18.90	19.60	20.30	21.00	**70**
71	14.91	15.62	16.33	17.04	17.75	18.46	19.17	19.88	20.59	21.30	**71**
72	15.12	15.84	16.56	17.28	18.00	18.72	19.44	20.16	20.88	21.60	**72**
73	15.33	16.06	16.79	17.52	18.25	18.98	19.71	20.44	21.17	21.90	**73**
74	15.54	16.28	17.02	17.76	18.50	19.24	19.98	20.72	21.46	22.20	**74**
75	15.75	16.50	17.25	18.00	18.75	19.50	20.25	21.00	21.75	22.50	**75**
76	15.96	16.72	17.48	18.24	19.00	19.76	20.52	21.28	22.04	22.80	**76**
77	16.17	16.94	17.71	18.48	19.25	20.02	20.79	21.56	22.33	23.10	**77**
78	16.38	17.16	17.94	18.72	19.50	20.28	21.06	21.84	22.62	23.40	**78**
79	16.59	17.38	18.17	18.96	19.75	20.54	21.33	22.12	22.91	23.70	**79**
80	16.80	17.60	18.40	19.20	20.00	20.80	21.60	22.40	23.20	24.00	**80**
81	17.01	17.82	18.63	19.44	20.25	21.06	21.87	22.68	23.49	24.30	**81**
82	17.22	18.04	18.86	19.68	20.50	21.32	22.14	22.96	23.78	24.60	**82**
83	17.43	18.26	19.09	19.92	20.75	21.58	22.41	23.24	24.07	24.90	**83**
84	17.64	18.48	19.32	20.16	21.00	21.84	22.68	23.52	24.36	25.20	**84**
85	17.85	18.70	19.55	20.40	21.25	22.10	22.95	23.80	24.65	25.50	**85**
86	18.06	18.92	19.78	20.64	21.50	22.36	23.22	24.08	24.94	25.80	**86**
87	18.27	19.14	20.01	20.88	21.75	22.62	23.49	24.36	25.23	26.10	**87**
88	18.48	19.36	20.24	21.12	22.00	22.88	23.76	24.64	25.52	26.40	**88**
89	18.69	19.58	20.47	21.36	22.25	23.14	24.03	24.92	25.81	26.70	**89**
90	18.90	19.80	20.70	21.60	22.50	23.40	24.30	25.20	26.10	27.00	**90**
91	19.11	20.02	20.93	21.84	22.75	23.66	24.57	25.48	26.39	27.30	**91**
92	19.32	20.24	21.16	22.08	23.00	23.92	24.84	25.76	26.68	27.60	**92**
93	19.53	20.46	21.39	22.32	23.25	24.18	25.11	26.04	26.97	27.90	**93**
94	19.74	20.68	21.62	22.56	23.50	24.44	25.38	26.32	27.26	28.20	**94**
95	19.95	20.90	21.85	22.80	23.75	24.70	25.65	26.60	27.55	28.50	**95**
96	20.16	21.12	22.08	23.04	24.00	24.96	25.92	26.88	27.84	28.80	**96**
97	20.37	21.34	22.31	23.28	24.25	25.22	26.19	27.16	28.13	29.10	**97**
98	20.58	21.56	22.54	23.52	24.50	25.48	26.46	27.44	28.42	29.40	**98**
99	20.79	21.78	22.77	23.76	24.75	25.74	26.73	27.72	28.71	29.70	**99**
100	21.00	22.00	23.00	24.00	25.00	26.00	27.00	28.00	29.00	30.00	**100**

Prices given in top margin. Numbers at side margin. **See explanation pages 201 and 222.**

Lumber and Cost Tables—Multiplication, Division, Etc.

	.31	.32	.33	.34	.35	.36	.37	.38	.39	.40	
1	.31	.32	.33	.34	.35	.36	.37	.38	.39	.40	**1**
2	.62	.64	.66	.68	.70	.72	.74	.76	.78	.80	**2**
3	.93	.96	.99	1.02	1.05	1.08	1.11	1.14	1.17	1.20	**3**
4	1.24	1.28	1.32	1.36	1.40	1.44	1.48	1.52	1.56	1.60	**4**
5	1.55	1.60	1.65	1.70	1.75	1.80	1.85	1.90	1.95	2.00	**5**
6	1.86	1.92	1.98	2.04	2.10	2.16	2.22	2.28	2.34	2.40	**6**
7	2.17	2.24	2.31	2.38	2.45	2.52	2.59	2.66	2.73	2.80	**7**
8	2.48	2.56	2.64	2.72	2.80	2.88	2.96	3.04	3.12	3.20	**8**
9	2.79	2.88	2.97	3.06	3.15	3.24	3.33	3.42	3.51	3.60	**9**
10	3.10	3.20	3.30	3.40	3.50	3.60	3.70	3.80	3.90	4.00	**10**
11	3.41	3.52	3.63	3.74	3.85	3.96	4.07	4.18	4.29	4.40	**11**
12	3.72	3.84	3.96	4.08	4.20	4.32	4.44	4.56	4.68	4.80	**12**
13	4.03	4.16	4.29	4.42	4.55	4.68	4.81	4.94	5.07	5.20	**13**
14	4.34	4.48	4.62	4.76	4.90	5.04	5.18	5.32	5.46	5.60	**14**
15	4.65	4.80	4.95	5.10	5.25	5.40	5.55	5.70	5.85	6.00	**15**
16	4.96	5.12	5.28	5.44	5.60	5.76	5.92	6.08	6.24	6.40	**16**
17	5.27	5.44	5.61	5.78	5.95	6.12	6.29	6.46	6.63	6.80	**17**
18	5.58	5.76	5.94	6.12	6.30	6.48	6.66	6.84	7.02	7.20	**18**
19	5.89	6.08	6.27	6.46	6.65	6.84	7.03	7.22	7.41	7.60	**19**
20	6.20	6.40	6.60	6.80	7.00	7.20	7.40	7.60	7.80	8.00	**20**
21	6.51	6.72	6.93	7.14	7.35	7.56	7.77	7.98	8.19	8.40	**21**
22	6.82	7.04	7.26	7.48	7.70	7.92	8.14	8.36	8.58	8.80	**22**
23	7.13	7.36	7.59	7.82	8.05	8.28	8.51	8.74	8.97	9.20	**23**
24	7.44	7.68	7.92	8.16	8.40	8.64	8.88	9.12	9.36	9.60	**24**
25	7.75	8.00	8.25	8.50	8.75	9.00	9.25	9.50	9.75	10.00	**25**
26	8.06	8.32	8.58	8.84	9.10	9.36	9.62	9.88	10.14	10.40	**26**
27	8.37	8.64	8.91	9.18	9.45	9.72	9.99	10.26	10.53	10.80	**27**
28	8.68	8.96	9.24	9.52	9.80	10.08	10.36	10.64	10.92	11.20	**28**
29	8.99	9.28	9.57	9.86	10.15	10.44	10.73	11.02	11.31	11.60	**29**
30	9.30	9.60	9.90	10.20	10.50	10.80	11.10	11.40	11.70	12.00	**30**
31	9.61	9.92	10.23	10.54	10.85	11.16	11.47	11.78	12.09	12.40	**31**
32	9.92	10.24	10.56	10.88	11.20	11.52	11.84	12.16	12.48	12.80	**32**
33	10.23	10.56	10.89	11.22	11.55	11.88	12.21	12.54	12.87	13.20	**33**
34	10.54	10.88	11.22	11.56	11.90	12.24	12.58	12.92	13.26	13.60	**34**
35	10.85	11.20	11.55	11.90	12.25	12.60	12.95	13.30	13.65	14.00	**35**
36	11.16	11.52	11.88	12.24	12.60	12.96	13.32	13.68	14.04	14.40	**36**
37	11.47	11.84	12.21	12.58	12.95	13.32	13.69	14.06	14.43	14.80	**37**
38	11.78	12.16	12.54	12.92	13.30	13.68	14.06	14.44	14.82	15.20	**38**
39	12.09	12.48	12.87	13.26	13.65	14.04	14.43	14.82	15.21	15.60	**39**
40	12.40	12.80	13.20	13.60	14.00	14.40	14.80	15.20	15.60	16.00	**40**
41	12.71	13.12	13.53	13.94	14.35	14.76	15.17	15.58	15.99	16.40	**41**
42	13.02	13.44	13.86	14.28	14.70	15.12	15.54	15.96	16.38	16.80	**42**
43	13.33	13.76	14.19	14.62	15.05	15.48	15.91	16.34	16.77	17.20	**43**
44	13.64	14.08	14.52	14.96	15.40	15.84	16.28	16.72	17.16	17.60	**44**
45	13.95	14.40	14.85	15.30	15.75	16.20	16.65	17.10	17.55	18.00	**45**
46	14.26	14.72	15.18	15.64	16.10	16.56	17.02	17.48	17.94	18.40	**46**
47	14.57	15.04	15.51	15.98	16.45	16.92	17.39	17.86	18.33	18.80	**47**
48	14.88	15.36	15.84	16.32	16.80	17.28	17.76	18.24	18.72	19.20	**48**
49	15.19	15.68	16.17	16.66	17.15	17.64	18.13	18.62	19.11	19.60	**49**
50	*15.50*	*16.00*	16.50	17.00	17.50	18.00	18.50	19.00	19.50	20.00	**50**

See explanation pages 201 and 222. For 51 to 100 see next page.

Lumber and Cost Tables—Multiplication, Division, Etc.

	.31	.32	.33	.34	.35	.36	.37	.38	.39	.40	
51	15.81	16.32	16.83	17.34	17.85	18.36	18.87	19.38	19.89	20.40	**51**
52	16.12	16.64	17.16	17.68	18.20	18.72	19.24	19.76	20.28	20.80	**52**
53	16.43	16.96	17.49	18.02	18.55	19.08	19.61	20.14	20.67	21.20	**53**
54	16.74	17.28	17.82	18.36	18.90	19.44	19.98	20.52	21.06	21.60	**54**
55	17.05	17.60	18.15	18.70	19.25	19.80	20.35	20.90	21.45	22.00	**55**
56	17.36	17.92	18.48	19.04	19.60	20.16	20.72	21.28	21.84	22.40	**56**
57	17.67	18.24	18.81	19.38	19.95	20.52	21.09	21.66	22.23	22.80	**57**
58	17.98	18.56	19.14	19.72	20.30	20.88	21.46	22.04	22.62	23.20	**58**
59	18.29	18.88	19.47	20.06	20.65	21.24	21.83	22.42	23.01	23.60	**59**
60	18.60	19.20	19.80	20.40	21.00	21.60	22.20	22.80	23.40	24.00	**60**
61	18.91	19.52	20.13	20.74	21.85	21.96	22.57	23.18	23.79	24.40	**61**
62	19.22	19.84	20.46	21.08	21.70	22.32	22.94	23.56	24.18	24.80	**62**
63	19.53	20.16	20.79	21.42	22.05	22.68	23.31	23.94	24.57	25.20	**63**
64	19.84	20.48	21.12	21.76	22.40	23.04	23.68	24.32	24.96	25.60	**64**
65	20.15	20.80	21.45	22 10	22.75	23.40	24.05	24.70	25.35	26.00	**65**
66	20.46	21.12	21.78	22.44	23.10	23.76	24.42	25.08	25.74	26.40	**66**
67	20.77	21.44	22.11	22.78	23.45	24.12	24.79	25.46	26.13	26.80	**67**
68	21.08	21.76	22.44	23.12	23.80	24.48	25.16	25.84	26.52	27.20	**68**
69	21.39	22.08	22.77	23.46	24.15	24.84	25.53	26.22	26.91	27.60	**69**
70	21.70	22.40	23.10	23.80	24.50	25.20	25.90	26.60	27.30	28.00	**70**
71	22.01	22.72	23.43	24.14	24.85	25.56	26.27	26.98	27.69	28.40	**71**
72	22.32	23.04	23.76	24.48	25.20	25.92	26.64	27.36	28.08	28.80	**72**
73	22.63	23.36	24.09	24.82	25.55	26.28	27.01	27.74	28.47	29.20	**73**
74	22.94	23.68	24.42	25.16	25.90	26.64	27.38	28.12	28.86	29.60	**74**
75	23.25	24.00	24.75	25.50	26.25	27.00	27.75	28.50	29.25	30.00	**75**
76	23.56	24.32	25.08	25.84	26.60	27.36	28.12	28.88	29.64	30.40	**76**
77	23.87	24.64	25.41	26.18	26.95	27.72	28.49	29.26	30.03	30.80	**77**
78	24.18	24.96	25.74	26.52	27.30	28.08	28.86	29.64	30.42	31.20	**78**
79	24.49	25.28	26.07	26.86	27.65	28.44	29.23	30.02	30.81	31.60	**79**
80	24.80	25.60	26.40	27.20	28.00	28.80	29.60	30.40	31.20	32.00	**80**
81	25.11	25.92	26.73	27.54	28.35	29.16	29.97	30.78	31.59	32.40	**81**
82	25.42	26.24	27.06	27.88	28.70	29.52	30.34	31.16	31.98	32.80	**82**
83	25.73	26.56	27.39	28.22	29.05	29.88	30.71	31.54	32.37	33.20	**83**
84	26.04	26.88	27.72	28.56	29.40	30.24	31.08	31.92	32.76	33.60	**84**
85	26.35	27.20	28.05	28.90	29.75	30.60	31.45	32.30	33.15	34.00	**85**
86	26.66	27.52	28.38	29.24	30.10	30.96	31.82	32.68	33.54	34.40	**86**
87	26.97	27.84	28.71	29.58	30.45	31.32	32.19	33.06	33.93	34.80	**87**
88	27.28	28.16	29.04	29.92	30.80	31.68	32.56	33.44	34.32	35.20	**88**
89	27.59	28.48	29.37	30.26	31.15	32.04	32.93	33.82	34.71	35.60	**89**
90	27.90	28.80	29.70	30.60	31.50	32.40	33.30	34.20	35.10	36.00	**90**
91	28.21	29.12	30.03	30.94	31.85	32.76	33.67	34.58	35.49	36.40	**91**
92	28.52	29.44	30.36	31.28	32.20	33.12	34.04	34.96	35.88	36.80	**92**
93	28.83	29.76	30.69	31.62	32.55	33.48	34.41	35.34	36.27	37.20	**93**
94	29.14	30.08	31.02	31.96	32.90	33.84	34.78	35.72	36.66	37.60	**94**
95	29.45	30.40	31.35	32.30	33.25	34.20	35.15	36.10	37.05	38.00	**95**
96	29.76	30.72	31.68	32.64	33.60	34.56	35.52	36.48	37.44	38.40	**96**
97	30.07	31.04	32.01	32.98	33.95	34.92	35.89	36.86	37.83	38.80	**97**
98	30.38	31.36	32.34	33.32	34.30	35.28	36.26	37.24	38.22	39.20	**98**
99	30.69	31.68	32.67	33.66	34.65	35.64	36.63	37.62	38.61	39.60	**99**
100	31.00	32.00	33.00	34.00	35.00	36.00	37.00	38.00	39.00	40.00	**100**

Prices given in top margin. Numbers at side margin. See explanation pages 201 and 222.

Lumber and Cost Tables—Multiplication, Division, Etc.

No.	.41	.42	.43	.44	.45	.46	.47	.48	.49	.50	No.
1	.41	.42	.43	.44	.45	.46	.47	.48	.49	.50	**1**
2	.82	.84	.86	.88	.90	.92	.94	.96	.98	1.00	**2**
3	1.23	1.26	1.29	1.32	1.35	1.38	1.41	1.44	1.47	1.50	**3**
4	1.64	1.68	1.72	1.76	1.80	1.84	1.88	1.92	1.96	2.00	**4**
5	2.05	2.10	2.15	2.20	2.25	2.30	2.35	2.40	2.45	2.50	**5**
6	2.46	2.52	2.58	2.64	2.70	2.76	2.82	2.88	2.94	3.00	**6**
7	2.87	2.94	3.01	3.08	3.15	3.22	3.29	3.36	3.43	3.50	**7**
8	3.28	3.36	3.44	3.52	3.60	3.68	3.76	3.84	3.92	4.00	**8**
9	3.69	3.78	3.87	3.96	4.05	4.14	4.23	4.32	4.41	4.50	**9**
10	4.10	4.20	4.30	4.40	4.50	4.60	4.70	4.80	4.90	5.00	**10**
11	4.51	4.62	4.73	4.84	4.95	5.06	5.17	5.28	5.39	5.50	**11**
12	4.92	5.04	5.16	5.28	5.40	5.52	5.64	5.76	5.88	6.00	**12**
13	5.33	5.46	5.59	5.72	5.85	5.98	6.11	6.24	6.37	6.50	**13**
14	5.74	5.88	6.02	6.16	6.30	6.44	6.58	6.72	6.86	7.00	**14**
15	6.15	6.30	6.45	6.60	6.75	6.90	7.05	7.20	7.35	7.50	**15**
16	6.56	6.72	6.88	7.04	7.20	7.36	7.52	7.68	7.84	8.00	**16**
17	6.97	7.14	7.31	7.48	7.65	7.82	7.99	8.16	8.33	8.50	**17**
18	7.38	7.56	7.74	7.92	8.10	8.28	8.46	8.64	8.82	9.00	**18**
19	7.79	7.98	8.17	8.36	8.55	8.74	8.93	9.12	9.31	9.50	**19**
20	8.20	8.40	8.60	8.80	9.00	9.20	9.40	9.60	9.80	10.00	**20**
21	8.61	8.82	9.03	9.24	9.45	9.66	9.87	10.08	10.29	10.50	**21**
22	9.02	9.24	9.46	9.68	9.90	10.12	10.34	10.56	10.78	11.00	**22**
23	9.43	9.66	9.89	10.12	10.35	10.58	10.81	11.04	11.27	11.50	**23**
24	9.84	10.08	10.32	10.56	10.80	11.04	11.28	11.52	11.76	12.00	**24**
25	10.25	10.50	10.75	11.00	11.25	11.50	11.75	12.00	12.25	12.50	**25**
26	10.66	10.92	11.18	11.44	11.70	11.96	12.22	12.48	12.74	13.00	**26**
27	11.07	11.34	11.61	11.88	12.15	12.42	12.69	12.96	13.23	13.50	**27**
28	11.48	11.76	12.04	12.32	12.60	12.88	13.16	13.44	13.72	14.00	**28**
29	11.89	12.18	12.47	12.76	13.05	13.34	13.63	13.92	14.21	14.50	**29**
30	12.30	12.60	12.90	13.20	13.50	13.80	14.10	14.40	14.70	15.00	**30**
31	12.71	13.02	13.33	13.64	13.95	14.26	14.57	14.88	15.19	15.50	**31**
32	13.12	13.44	13.76	14.08	14.40	14.72	15.04	15.36	15.68	16.00	**32**
33	13.53	13.86	14.19	14.52	14.85	15.18	15.51	15.84	16.17	16.50	**33**
34	13.94	14.28	14.62	14.96	15.30	15.64	15.98	16.32	16.66	17.00	**34**
35	14.35	14.70	15.05	15.40	15.75	16.10	16.45	16.80	17.15	17.50	**35**
36	14.76	15.12	15.48	15.84	16.20	16.56	16.92	17.28	17.64	18.00	**36**
37	15.17	15.54	15.91	16.28	16.65	17.02	17.39	17.76	18.13	18.50	**37**
38	15.58	15.96	16.34	16.72	17.10	17.48	17.86	18.24	18.62	19.00	**38**
39	15.99	16.38	16.77	17.16	17.55	17.94	18.33	18.72	19.11	19.50	**39**
40	16.40	16.80	17.20	17.60	18.00	18.40	18.80	19.20	19.60	20.00	**40**
41	16.81	17.22	17.63	18.04	18.45	18.86	19.27	19.68	20.09	20.50	**41**
42	17.22	17.64	18.06	18.48	18.90	19.32	19.74	20.16	20.58	21.00	**42**
43	17.63	18.06	18.49	18.92	19.35	19.78	20.21	20.64	21.07	21.50	**43**
44	18.04	18.48	18.92	19.36	19.80	20.24	20.68	21.12	21.56	22.00	**44**
45	18.45	18.90	19.35	19.80	20.25	20.70	21.15	21.60	22.05	22.50	**45**
46	18.86	19.32	19.78	20.24	20.70	21.16	21.62	22.08	22.54	23.00	**46**
47	19.27	19.74	20.21	20.68	21.15	21.62	22.09	22.56	23.03	23.50	**47**
48	19.68	20.16	20.64	21.12	21.60	22.08	22.56	23.04	23.52	24.00	**48**
49	20.09	20.58	21.07	21.56	22.05	22.54	23.03	23.52	24.01	24.50	**49**
50	20.50	21.00	21.50	22.00	22.50	23.00	23.50	24.00	24.50	25.00	**50**

See explanation pages 201 and 222. For 51 to 100 see **next page.**

Lumber and Cost Tables—Multiplication, Division, Etc.

No.	.41	.42	.43	.44	.45	.46	.47	.48	.49	.50	No.
51	20.91	21.42	21.93	22.44	22.95	23.46	23.97	24.48	24.99	25.50	**51**
52	21.32	21.84	22.36	22.88	23.40	23.92	24.44	24.96	25.48	26.00	**52**
53	21.73	22.26	22.79	23.32	23.85	24.38	24.91	25.44	25.97	26.50	**53**
54	22.14	22.68	23.22	23.76	24.30	24.84	25.38	25.92	26.46	27.00	**54**
55	22.55	23.10	23.65	24.20	24.75	25.30	25.85	26.40	26.95	27.50	**55**
56	22.96	23.52	24.08	24.64	25.20	25.76	26.32	26.88	27.44	28.00	**56**
57	23.37	23.94	24.51	25.08	25.65	26.22	26.79	27.36	27.93	28.50	**57**
58	23.78	24.36	24.94	25.52	26.10	26.68	27.26	27.84	28.42	29.00	**58**
59	24.19	24.78	25.37	25.96	26.55	27.14	27.73	28.32	28.91	29.50	**59**
60	24.60	25.20	25.80	26.40	27.00	27.60	28.20	28.80	29.40	30.00	**60**
61	25.01	25.62	26.23	26.84	27.45	28.06	28.67	29.28	29.89	30.50	**61**
62	25.42	26.04	26.66	27.28	27.90	28.52	29.14	29.76	30.38	31.00	**62**
63	25.83	26.46	27.09	27.72	28.35	28.98	29.61	30.24	30.87	31.50	**63**
64	26.24	26.88	27.52	28.16	28.80	29.44	30.08	30.72	31.36	32.00	**64**
65	26.65	27.30	27.95	28.60	29.25	29.90	30.55	31.20	31.85	32.50	**65**
66	27.06	27.72	28.38	29.04	29.70	30.36	31.02	31.68	32.34	33.00	**66**
67	27.47	28.14	28.81	29.48	30.15	30.82	31.49	32.16	32.83	33.50	**67**
68	27.88	28.56	29.24	29.92	30.60	31.28	31.96	32.64	33.32	34.00	**68**
69	28.29	28.98	29.67	30.36	31.05	31.74	32.43	33.12	33.81	34.50	**69**
70	28.70	29.40	30.10	30.80	31.50	32.20	32.90	33.60	34.30	35.00	**70**
71	29.11	29.82	30.53	31.24	31.95	32.66	33.37	34.08	34.79	35.50	**71**
72	29.52	30.24	30.96	31.68	32.40	33.12	33.84	34.56	35.28	36.00	**72**
73	29.93	30.66	31.39	32.12	32.85	33.58	34.31	35.04	35.77	36.50	**73**
74	30.34	31.08	31.82	32.56	33.30	34.04	34.78	35.52	36.26	37.00	**74**
75	30.75	31.50	32.25	33.00	33.75	34.50	35.25	36.00	36.75	37.50	**75**
76	31.16	31.92	32.68	33.44	34.20	34.96	35.72	36.48	37.24	38.00	**76**
77	31.57	32.34	33.11	33.88	34.65	35.42	36.19	36.96	37.73	38.50	**77**
78	31.98	32.76	33.54	34.32	35.10	35.88	36.66	37.44	38.22	39.00	**78**
79	32.39	33.18	33.97	34.76	35.55	36.34	37.13	37.92	38.71	39.50	**79**
80	32.80	33.60	34.40	35.20	36.00	36.80	37.60	38.40	39.20	40.00	**80**
81	33.21	34.02	34.83	35.64	36.45	37.26	38.07	38.88	39.69	40.50	**81**
82	33.62	34.44	35.26	36.08	36.90	37.72	38.54	39.36	40.18	41.00	**82**
83	34.03	34.86	35.69	36.52	37.35	38.18	39.01	39.84	40.67	41.50	**83**
84	34.44	35.28	36.12	36.96	37.80	38.64	39.48	40.32	41.16	42.00	**84**
85	34.85	35.70	36.55	37.40	38.25	39.10	39.95	40.80	41.65	42.50	**85**
86	35.26	36.12	36.98	37.84	38.70	39.56	40.42	41.28	42.14	43.00	**86**
87	35.67	36.54	37.41	38.28	39.15	40.02	40.89	41.76	42.63	43.50	**87**
88	36.08	36.96	37.84	38.72	39.60	40.48	41.36	42.24	43.12	44.00	**88**
89	36.49	37.38	38.27	39.16	40.05	40.94	41.83	42.72	43.61	44.50	**89**
90	36.90	37.80	38.70	39.60	40.50	41.40	42.30	43.20	44.10	45.00	**90**
91	37.31	38.22	39.13	40.04	40.95	41.86	42.77	43.68	44.59	45.50	**91**
92	37.72	38.64	39.56	40.48	41.40	42.32	43.24	44.16	45.08	46.00	**92**
93	38.13	39.06	39.99	40.92	41.85	42.78	43.71	44.64	45.57	46.50	**93**
94	38.54	39.48	40.42	41.36	42.30	43.24	44.18	45.12	46.06	47.00	**94**
95	38.95	39.90	40.85	41.80	42.75	43.70	44.65	45.60	46.55	47.50	**95**
96	39.36	40.32	41.28	42.24	43.20	44.16	45.12	46.08	47.04	48.00	**96**
97	39.77	40.74	41.71	42.68	43.65	44.62	45.59	46.56	47.53	48.50	**97**
98	40.18	41.16	42.14	43.12	44.10	45.08	46.06	47.04	48.02	49.00	**98**
99	40.59	41.58	42.57	43.56	44.55	45.54	46.53	47.52	48.51	49.50	**99**
100	*41.00*	*42.00*	*43.00*	44.00	45.00	46.00	47.00	48.00	49.00	50.00	**100**

Prices given in top margin. **Numbers at side margin.** ***See explanation pages 201 and 222.***

No.	.51	.52	.53	.54	.55	.56	.57	.58	.59	.60	No.
1	.51	.52	.53	.54	.55	.56	.57	.58	.59	.60	**1**
2	1.02	1.04	1.06	1.08	1.10	1.12	1.14	1.16	1.18	1.20	**2**
3	1.53	1.56	1.59	1.62	1.65	1.68	1.71	1.74	1.77	1.80	**3**
4	2.04	2.08	2.12	2.16	2.20	2.24	2.28	2.32	2.36	2.40	**4**
5	2.55	2.60	2.65	2.70	2.75	2.80	2.85	2.90	2.95	3.00	**5**
6	3.06	3.12	3.18	3.24	3.30	3.36	3.42	3.48	3.54	3.60	**6**
7	3.57	3.64	3.71	3.78	3.85	3.92	3.99	4.06	4.13	4.20	**7**
8	4.08	4.16	4.24	4.32	4.40	4.48	4.56	4.64	4.72	4.80	**8**
9	4.59	4.68	4.77	4.86	4.95	5.04	5.13	5.22	5.31	5.40	**9**
10	5.10	5.20	5.30	5.40	5.50	5.60	5.70	5.80	5.90	6.00	**10**
11	5.61	5.72	5.83	5.94	6.05	6.16	6.27	6.38	6.49	6.60	**11**
12	6.12	6.24	6.36	6.48	6.60	6.72	6.84	6.96	7.08	7.20	**12**
13	6.63	6.76	6.89	7.02	7.15	7.28	7.41	7.54	7.67	7.80	**13**
14	7.14	7.28	7.42	7.56	7.70	7.84	7.98	8.12	8.26	8.40	**14**
15	7.65	7.80	7.95	8.10	8.25	8.40	8.55	8.70	8.85	9.00	**15**
16	8.16	8.32	8.48	8.64	8.80	8.96	9.12	9.28	9.44	9.60	**16**
17	8.67	8.84	9.01	9.18	9.35	9.52	9.69	9.86	10.03	10.20	**17**
18	9.18	9.36	9.54	9.72	9.90	10.08	10.26	10.44	10.62	10.80	**18**
19	9.69	9.88	10.07	10.26	10.45	10.64	10.83	11.02	11.21	11.40	**19**
20	10.20	10.40	10.60	10.80	11.00	11.20	11.40	11.60	11.80	12.00	**20**
21	10.71	10.92	11.13	11.34	11.55	11.76	11.97	12.18	12.39	12.60	**21**
22	11.22	11.44	11.66	11.88	12.10	12.32	12.54	12.76	12.98	13.20	**22**
23	11.73	11.96	12.19	12.42	12.65	12.88	13.11	13.34	13.57	13.80	**23**
24	12.24	12.48	12.72	12.96	13.20	13.44	13.68	13.92	14.16	14.40	**24**
25	12.75	13.00	13.25	13.50	13.75	14.00	14.25	14.50	14.75	15.00	**25**
26	13.26	13.52	13.78	14.04	14.30	14.56	14.82	15.08	15.34	15.60	**26**
27	13.77	14.04	14.31	14.58	14.85	15.12	15.39	15.66	15.93	16.20	**27**
28	14.28	14.56	14.84	15.12	15.40	15.68	15.96	16.24	16.52	16.80	**28**
29	14.79	15.08	15.37	15.66	15.95	16.24	16.53	16.82	17.11	17.40	**29**
30	15.30	15.60	15.90	16.20	16.50	16.80	17.10	17.40	17.70	18.00	**30**
31	15.81	16.12	16.43	16.74	17.05	17.36	17.67	17.98	18.29	18.60	**31**
32	16.32	16.64	16.96	17.28	17.60	17.92	18.24	18.56	18.88	19.20	**32**
33	16.83	17.16	17.49	17.82	18.15	18.48	18.81	19.14	19.47	19.80	**33**
34	17.34	17.68	18.02	18.36	18.70	19.04	19.38	19.72	20.06	20.40	**34**
35	17.85	18.20	18.55	18.90	19.25	19.60	19.95	20.30	20.65	21.00	**35**
36	18.36	18.72	19.08	19.44	19.80	20.16	20.52	20.88	21.24	21.60	**36**
37	18.87	19.24	19.61	19.98	20.35	20.72	21.09	21.46	21.83	22.20	**37**
38	19.38	19.76	20.14	20.52	20.90	21.28	21.66	22.04	22.42	22.80	**38**
39	19.89	20.28	20.67	21.06	21.45	21.84	22.23	22.62	23.01	23.40	**39**
40	20.40	20.80	21.20	21.60	22.00	22.40	22.80	23.20	23.60	24.00	**40**
41	20.91	21.32	21.73	22.14	22.55	22.96	23.37	23.78	24.19	24.60	**41**
42	21.42	21 84	22.26	22.68	23.10	23.52	23.94	24.36	24.78	25.20	**42**
43	21.93	22.36	22.79	23.22	23.65	24.08	24.51	24.94	25.37	25.80	**43**
44	22.44	22.88	23.32	23.76	24.20	24.64	25.08	25.52	25.96	26.40	**44**
45	22.95	23.40	23.85	24.30	24.75	25.20	25.65	26.10	26.55	27.00	**45**
46	23.46	23.92	24.38	24.84	25.30	25.76	26.22	26.68	27.14	27.60	**46**
47	23.97	24.44	24.91	25.38	25.85	26.32	26.79	27.26	27.73	28.20	**47**
48	24.48	24.96	25.44	25.92	26.40	26.88	27.36	27.84	28.32	28.80	**48**
49	24.99	25.48	25.97	26.46	26.95	27.44	27.93	28.42	28.91	29.40	**49**
50	25.50	26.00	26.50	27.00	27.50	28.00	28.50	29.00	29.50	30.00	**50**

See explanation pages 201 and 222. **For 51 to 100 see next page.**

Lumber and Cost Tables—Multiplication, Division, Etc.

No.	.51	.52	.53	.54	.55	.56	.57	.58	.59	.60	No.
51	26.01	26.52	27.03	27.54	28.05	28.56	29.07	29.58	30.09	30.60	51
52	26.52	27.04	27.56	28.08	28.60	29.12	29.64	30.16	30.68	31.20	52
53	27.03	27.56	28.09	28.62	29.15	29.68	30.21	30.74	31.27	31.80	53
54	27.54	28.08	28.62	29.16	29.70	30.24	30.78	31.32	31.86	32.40	54
55	28.05	28.60	29.15	29.70	30.25	30.80	31.35	31.90	32.45	33.00	55
56	28.56	29.12	29.68	30.24	30.80	31.36	31.92	32.48	33.04	33.60	56
57	29.07	29.64	30.21	30.78	31.35	31.92	32.49	33.06	33.63	34.20	57
58	29.58	30.16	30.74	31.32	31.90	32.48	33.06	33.64	34.22	34.80	58
59	30.09	30.68	31.27	31.86	32.45	33.04	33.63	34.22	34.81	35.40	59
60	30.60	31.20	31.80	32.40	33.00	33.60	34.20	34.80	35.40	36.00	60
61	31.11	31.72	32.33	32.94	33.55	34.16	34.77	35.38	35.99	36.60	61
62	31.62	32.24	32.86	33.48	34.10	34.72	35.34	35.96	36.58	37.20	62
63	32.13	32.76	33.39	34.02	34.65	35.28	35.91	36.54	37.17	37.80	63
64	32.64	33.28	33.92	34.56	35.20	35.84	36.48	37.12	37.76	38.40	64
65	33.15	33.80	34.45	35.10	35.75	36.40	37.05	37.70	38.35	39.00	65
66	33.66	34.32	34.98	35.64	36.30	36.96	37.62	38.28	38.94	39.60	66
67	34.17	34.84	35.51	36.18	36.85	37.52	38.19	38.86	39.53	40.20	67
68	34.68	35.36	36.04	36.72	37.40	38.08	38.76	39.44	40.12	40.80	68
69	35.19	35.88	36.57	37.26	37.95	38.64	39.33	40.02	40.71	41.40	69
70	35.70	36.40	37.10	37.80	38.50	39.20	39.90	40.60	41.30	42.00	70
71	36.21	36.92	37.63	38.34	39.05	39.76	40.47	41.18	41.89	42.60	71
72	36.72	37.44	38.16	38.88	39.60	40.32	41.04	41.76	42.48	43.20	72
73	37.23	37.96	38.69	39.42	40.15	40.88	41.61	42.34	43.07	43.80	73
74	37.74	38.48	39.22	39.96	40.70	41.44	42.18	42.92	43.66	44.40	74
75	38.25	39.00	39.75	40.50	41.25	42.00	42.75	43.50	44.25	45.00	75
76	38.76	39.52	40.28	41.04	41.80	42.56	43.32	44.08	44.84	45.60	76
77	39.27	40.04	40.81	41.58	42.35	43.12	43.89	44.66	45.43	46.20	77
78	39.78	40.56	41.34	42.12	42.90	43.68	44.46	45.24	46.02	46.80	78
79	40.29	41.08	41.87	42.66	43.45	44.24	45.03	45.82	46.61	47.40	79
80	40.80	41.60	42.40	43.20	44.00	44.80	45.60	46.40	47.20	48.00	80
81	41.31	42.12	42.93	43.74	44.55	45.36	46.17	46.98	47.79	48.60	81
82	41.82	42.64	43.46	44.28	45.10	45.92	46.74	47.56	48.38	49.20	82
83	42.33	43.16	43.99	44.82	45.65	46.48	47.31	48.14	48.97	49.80	83
84	42.84	43.68	44.52	45.36	46.20	47.04	47.88	48.72	49.56	50.40	84
85	43.35	44.20	45.05	45.90	46.75	47.60	48.45	49.30	50.15	51.00	85
86	43.86	44.72	45.58	46.44	47.30	48.16	49.02	49.88	50.74	51.60	86
87	44.37	45.24	46.11	46.98	47.85	48.72	49.59	50.46	51.33	52.20	87
88	44.88	45.76	46.64	47.52	48.40	49.28	50.16	51.04	51.92	52.80	88
89	45.39	46.28	47.17	48.06	48.95	49.84	50.73	51.62	52.51	53.40	89
90	45.90	46.80	47.70	48.60	49.50	50.40	51.30	52.20	53.10	54.00	90
91	46.41	47.32	48.23	49.14	50.05	50.96	51.87	52.78	53.69	54.60	91
92	46.92	47.84	48.76	49.68	50.60	51.52	52.44	53.36	54.28	55.20	92
93	47.43	48.36	49.29	50.22	51.15	52.08	53.01	53.94	54.87	55.80	93
94	47.94	48.88	49.82	50.76	51.70	52.64	53.58	54.52	55.46	56.40	94
95	48.45	49.40	50.35	51.30	52.25	53.20	54.15	55.10	56.05	57.00	95
96	48.96	49.92	50.88	51.84	52.80	53.76	54.72	55.68	56.64	57.60	96
97	49.47	50.44	51.41	52.38	53.35	54.32	55.29	56.26	57.23	58.20	97
98	49.98	50.96	51.94	52.92	53.90	54.88	55.86	56.84	57.82	58.80	98
99	50.49	51.48	52.47	53.46	54.45	55.44	56.43	57.42	58.41	59.40	99
100	51.00	52.00	53.00	54.00	55.00	56.00	57.00	58.00	59.00	60.00	100

Prices given in top margin. Numbers at side margin. See explanation pages 201 and 222.

Lumber and Cost Tables—Multiplication, Division, Etc.

No.	.61	.62	.63	.64	.65	.66	.67	.68	.69	.70	No.
1	.61	.62	.63	.64	.65	.66	.67	.68	.69	.70	**1**
2	1.22	1.24	1.26	1.28	1.30	1.32	1.34	1.36	1.38	1.40	**2**
3	1.83	1.86	1.89	1.92	1.95	1.98	2.01	2.04	2.07	2.10	**3**
4	2.44	2.48	2.52	2.56	2.60	2.64	2.68	2.72	2.76	2.80	**4**
5	3.05	3.10	3.15	3.20	3.25	3.30	3.35	3.40	3.45	3.50	**5**
6	3.66	3.72	3.78	3.84	3.90	3.96	4.02	4.08	4.14	4.20	**6**
7	4.27	4.34	4.41	4.48	4.55	4.62	4.69	4.76	4.83	4.90	**7**
8	4.88	4.96	5.04	5.12	5.20	5.28	5.36	5.44	5.52	5.60	**8**
9	5.49	5.58	5.67	5.76	5.85	5.94	6.03	6.12	6.21	6.30	**9**
10	6.10	6.20	6.30	6.40	6.50	6.60	6.70	6.80	6.90	7.00	**10**
11	6.71	6.82	6.93	7.04	7.15	7.26	7.37	7.48	7.59	7.70	**11**
12	7.32	7.44	7.56	7.68	7.80	7.92	8.04	8.16	8.28	8.40	**12**
13	7.93	8.06	8.19	8.32	8.45	8.58	8.71	8.84	8.97	9.10	**13**
14	8.54	8.68	8.82	8.96	9.10	9.24	9.38	9.52	9.66	9.80	**14**
15	9.15	9.30	9.45	9.60	9.75	9.90	10.05	10.20	10.35	10.50	**15**
16	9.76	9.92	10.08	10.24	10.40	10.56	10.72	10.88	11.04	11.20	**16**
17	10.37	10.54	10.71	10.88	11.05	11.22	11.39	11.56	11.73	11.90	**17**
18	10.98	11.16	11.34	11.52	11.70	11.88	12.06	12.24	12.42	12.60	**18**
19	11.59	11.78	11.97	12.16	12.35	12.54	12.73	12.92	13.11	13.30	**19**
20	12.20	12.40	12.60	12.80	13.00	13.20	13.40	13.60	13.80	14.00	**20**
21	12.81	13.02	13.23	13.44	13 65	13.86	14.07	14.28	14.49	14.70	**21**
22	13 42	13.64	13.86	14.08	14.30	14.52	14.74	14.96	15.18	15.40	**22**
23	14.03	14.26	14.49	14.72	14.95	15.18	15.41	15.64	15.87	16.10	**23**
24	14.64	14.88	15.12	15.36	15.60	15.84	16.08	16.32	16.56	16.80	**24**
25	15.25	15.50	15.75	16.00	16.25	16.50	16.75	17.00	17.25	17.50	**25**
26	15.86	16.12	16.38	16.64	16.90	17.16	17.42	17.68	17.94	18.20	**26**
27	16.47	16.74	17.01	17.28	17.55	17.82	18.09	18.36	18.63	18.90	**27**
28	17.08	17.36	17.64	17.92	18.20	18.48	18.76	19.04	19.32	19.60	**28**
29	17.69	17.98	18.27	18.56	18.85	19.14	19.43	19.72	20.01	20.30	**29**
30	18.30	18.60	18.90	19.20	19.50	19.80	20.10	20.40	20.70	21.00	**30**
31	18.91	19.22	19.53	19.84	20.15	20.46	20.77	21.08	21.39	21.70	**31**
32	19.52	19.84	20.16	20.48	20.80	21.12	21.44	21.76	22.08	22.40	**32**
33	20.13	20.46	20.79	21.12	21.45	21.78	22.11	22.44	22.77	23.10	**33**
34	20.74	21.08	21.42	21.76	22.10	22.44	22.78	23.12	23.46	23.80	**34**
35	21.35	21.70	22.05	22.40	22.75	23.10	23.45	23.80	24.15	24.50	**35**
36	21.96	22.32	22.68	23.04	23.40	23.76	24.12	24.48	24.84	25.20	**36**
37	22.57	22.94	23.31	23.68	24.05	24.42	24.79	25.16	25.53	25.90	**37**
38	23.18	23.56	23.94	24.32	24.70	25.08	25.46	25.84	26.22	26.60	**38**
39	23.79	24.18	24.57	24.96	25.35	25.74	26.13	26.52	26.91	27.30	**39**
40	24.40	24.80	25.20	25.60	26.00	26.40	26.80	27.20	27.60	28.00	**40**
41	25.01	25.42	25.83	26.24	26.65	27.06	27.47	27.88	28.29	28.70	**41**
42	25.62	26.04	26.46	26.88	27.30	27.72	28.14	28.56	28.98	29.40	**42**
43	26.23	26.66	27.09	27.52	27.95	28.38	28.81	29.24	29.67	30.10	**43**
44	26.84	27.28	27.72	28.16	28.60	29.04	29.48	29.92	30.36	30.80	**44**
45	27.45	27.90	28.35	28.80	29.25	29.70	30.15	30.60	31.05	31.50	**45**
46	28.06	28.52	28.98	29.44	29.90	30.36	30.82	31.28	31.74	32.20	**46**
47	28.67	29.14	29.61	30.08	30.55	31.02	31.49	31.96	32.43	32.90	**47**
48	29.28	29.76	30.24	30.72	31.20	31.68	32.16	32.64	33.12	33.60	**48**
49	29.89	30.38	30.87	31.36	31.85	32.34	32.83	33.32	33.81	34.30	**49**
50	30.50	31.00	31.50	32.00	32.50	33.00	33.50	34.00	34.50	35.00	**50**

See explanation **pages 201 and 222. For 51 to 100 see next page.**

Lumber and Cost Tables—Multiplication, Division, Etc.

No.	.61	.62	.63	.64	.65	.66	.67	.68	.69	.70	No.
51	31.11	31.62	32.13	32.64	33.15	33.66	34.17	34.68	35.19	35.70	**51**
52	31.72	32.24	32.76	33.28	33.80	34.32	34.84	35.36	35.88	36.40	**52**
53	32.33	32.86	33.39	33.92	34.45	34.98	35.51	36.04	36.57	37.10	**53**
54	32.94	33.48	34.02	34.56	35.10	35.64	36.18	36.72	37.26	37.80	**54**
55	33.55	34.10	34.65	35.20	35.75	36.30	36.85	37.40	37.95	38.50	**55**
56	34.16	34.72	35.28	35.84	36.40	36.96	37.52	38.08	38.64	39.20	**56**
57	34.77	35.34	35.91	36.48	37.05	37.62	38.19	38.76	39.33	39.90	**57**
58	35.38	35.96	36.54	37.12	37.70	38.28	38.86	39.44	40.02	40.60	**58**
59	35.99	36.58	37.17	37.76	38.35	38.94	39.53	40.12	40.71	41.30	**59**
60	36.60	37.20	37.80	38.40	39.00	39.60	40.20	40.80	41.40	42.00	**60**
61	37.21	37.82	38.43	39.04	39.65	40.26	40.87	41.48	42.09	42.70	**61**
62	37.82	38.44	39.06	39.68	40.30	40.92	41.54	42.16	42.78	43.40	**62**
63	38.43	39.06	39.69	40.32	40.95	41.58	42.21	42.84	43.47	44.10	**63**
64	39.04	39.68	40.32	40.96	41.60	42.24	42.88	43.52	44.16	44.80	**64**
65	39.65	40.30	40.95	41.60	42.25	42.90	43.55	44.20	44.85	45.50	**65**
66	40.26	40.92	41.58	42.24	42.90	43.56	44.22	44.88	45.54	46.20	**66**
67	40.87	41.54	42.21	42.88	43.55	44.22	44.89	45.56	46.23	46.90	**67**
68	41.48	42.16	42.84	43.52	44.20	44.88	45.56	46.24	46.92	47.60	**68**
69	42.09	42.78	43.47	44.16	44.85	45.54	46.23	46.92	47.61	48.30	**69**
70	42.70	43.40	44.10	44.80	45.50	46.20	46.90	47.60	48.30	49.00	**70**
71	43.31	44.02	44.73	45.44	46.15	46.86	47.57	48.28	48.99	49.70	**71**
72	43.92	44.64	45.36	46.08	46.80	47.52	48.24	48.96	49.68	50.40	**72**
73	44.53	45.26	45.99	46.72	47.45	48.18	48.91	49.64	50.37	51.10	**73**
74	45.14	45.88	46.62	47.36	48.10	48.84	49.58	50.32	51.06	51.80	**74**
75	45.75	46.50	47.25	48.00	48.75	49.50	50.25	51.00	51.75	52.50	**75**
76	46.36	47.12	47.88	48.64	49.40	50.16	50.92	51.68	52.44	53.20	**76**
77	46.97	47.74	48.51	49.28	50.05	50.82	51.59	52.36	53.13	53.90	**77**
78	47.58	48.36	49.14	49.92	50.70	51.48	52.26	53.04	53.82	54.60	**78**
79	48.19	48.98	49.77	50.56	51.35	52.14	52.93	53.72	54.51	55.30	**79**
80	48.80	49.60	50.40	51.20	52.00	52.80	53.60	54.40	55.20	56.00	**80**
81	49.41	50.22	51.03	51.84	52.65	53.46	54.27	55.08	55.89	56.70	**81**
82	50.02	50.84	51.66	52.48	53.30	54.12	54.94	55.76	56.58	57.40	**82**
83	50.63	51.46	52.29	53.12	53.95	54.78	55.61	56.44	57.27	58.10	**83**
84	51.24	52.08	52.92	53.76	54.60	55.44	56.28	57.12	57.96	58.80	**84**
85	51.85	52.70	53.55	54.40	55.25	56.10	56.95	57.80	58.65	59.50	**85**
86	52.46	53.32	54.18	55.04	55.90	56.76	57.62	58.48	59.34	60.20	**86**
87	53.07	53.94	54.81	55.68	56.55	57.42	58.29	59.16	60.03	60.90	**87**
88	53.68	54.56	55.44	56.32	57.20	58.08	58.96	59.84	60.72	61.60	**88**
89	54.29	55.18	56.07	56.96	57.85	58.74	59.63	60.52	61.41	62.30	**89**
90	54.90	55.80	56.70	57.60	58.50	59.40	60.30	61.20	62.10	63.00	**90**
91	55.51	56.42	57.33	58.24	59.15	60.06	60.97	61.88	62.79	63.70	**91**
92	56.12	57.04	57.96	58.88	59.80	60.72	61.64	62.56	63.48	64.40	**92**
93	56.73	57.66	58.59	59.52	60.45	61.38	62.31	63.24	64.17	65.10	**93**
94	57.34	58.28	59.22	60.16	61.10	62.04	62.98	63.92	64.86	65.80	**94**
95	57.95	58.90	59.85	60.80	61.75	62.70	63.65	64.60	65.55	66.50	**95**
96	58.56	59.52	60.48	61.44	62.40	63.36	64.32	65.28	66.24	67.20	**96**
97	59.17	60.14	61.11	62.08	63.05	64.02	64.99	65.96	66.93	67.90	**97**
98	59.78	60.76	61.74	62.72	63.70	64.68	65.66	66.64	67.62	68.60	**98**
99	60.39	61.38	62.37	63.36	64.35	65.34	66.33	67.32	68.31	69.30	**99**
100	61.00	62.00	63.00	64.00	65.00	66.00	67.00	68.00	69.00	70.00	**100**

Prices given in top margin. Numbers at side margin. See explanation pages 201 and 222.

Lumber and Cost Tables—Multiplication, Division, Etc.

No.	.71	.72	.73	.74	.75	.76	.77	.78	.79	.80	No.
1	.71	.72	.73	.74	.75	.76	.77	.78	.79	.80	**1**
2	1.42	1.44	1.46	1.48	1.50	1.52	1.54	1.56	1.58	1.60	**2**
3	2.13	2.16	2.19	2.22	2.25	2.28	2.31	2.34	2.37	2.40	**3**
4	2.84	2.88	2.92	2.96	3.00	3.04	3.08	3.12	3.16	3.20	**4**
5	3.55	3.60	3.65	3.70	3.75	3.80	3.85	3.90	3.95	4.00	**5**
6	4.26	4.32	4.38	4.44	4.50	4.56	4.62	4.68	4.74	4.80	**6**
7	4.97	5.04	5.11	5.18	5.25	5.32	5.39	5.46	5.53	5.60	**7**
8	5.68	5.76	5.84	5.92	6.00	6.08	6.16	6.24	6.32	6.40	**8**
9	6.39	6.48	6.57	6.66	6.75	6.84	6.93	7.02	7.11	7.20	**9**
10	7.10	7.20	7.30	7.40	7.50	7.60	7.70	7.80	7.90	8.00	**10**
11	7.81	7.92	8.03	8.14	8.25	8.36	8.47	8.58	8.69	8.80	**11**
12	8.52	8.64	8.76	8.88	9.00	9.12	9.24	9.36	9.48	9.60	**12**
13	9.23	9.36	9.49	9.62	9.75	9.88	10.01	10.14	10.27	10.40	**13**
14	9.94	10.08	10.22	10.36	10.50	10.64	10.78	10.92	11.06	11.20	**14**
15	10.65	10.80	10.95	11.10	11.25	11.40	11.55	11.70	11.85	12.00	**15**
16	11.36	11.52	11.68	11.84	12.00	12.16	12.32	12.48	12.64	12.80	**16**
17	12.07	12.24	12.41	12.58	12.75	12.92	13.09	13.26	13.43	13.60	**17**
18	12.78	12.96	13.14	13.32	13.50	13.68	13.86	14.04	14.22	14.40	**18**
19	13.49	13.68	13.87	14.06	14.25	14.44	14.63	14.82	15.01	15.20	**19**
20	14.20	14.40	14.60	14.80	15.00	15.20	15.40	15.60	15.80	16.00	**20**
21	14.91	15.12	15.33	15.54	15.75	15.96	16.17	16.38	16.59	16.80	**21**
22	15.62	15.84	16.06	16.28	16.50	16.72	16.94	17.16	17.38	17.60	**22**
23	16.33	16.56	16.79	17.02	17.25	17.48	17.71	17.94	18.17	18.40	**23**
24	17.04	17.28	17.52	17.76	18.00	18.24	18.48	18.72	18.96	19.20	**24**
25	17.75	18.00	18.25	18.50	18.75	19.00	19.25	19.50	19.75	20.00	**25**
26	18.46	18.72	18.98	19.24	19.50	19.76	20.02	20.28	20.54	20.80	**26**
27	19.17	19.44	19.71	19.98	20.25	20.52	20.79	21.06	21.33	21.60	**27**
28	19.88	20.16	20.44	20.72	21.00	21.28	21.56	21.84	22.12	22.40	**28**
29	20.59	20.88	21.17	21.46	21.75	22.04	22.33	22.62	22.91	23.20	**29**
30	21.30	21.60	21.90	22.20	22.50	22.80	23.10	23.40	23.70	24.00	**30**
31	22.01	22.32	22.63	22.94	23.25	23.56	23.87	24.18	24.49	24.80	**31**
32	22.72	23.04	23.36	23.68	24.00	24.32	24.64	24.96	25.28	25.60	**32**
33	23.43	23.76	24.09	24.42	24.75	25.08	25.41	25.74	26.07	26.40	**33**
34	24.14	24.48	24.82	25.16	25.50	25.84	26.18	26.52	26.86	27.20	**34**
35	24.85	25.20	25.55	25.90	26.25	26.60	26.95	27.30	27.65	28.00	**35**
36	25.56	25.92	26.28	26.64	27.00	27.36	27.72	28.08	28.44	28.80	**36**
37	26.27	26.64	27.01	27.38	27.75	28.12	28.49	28.86	29.23	29.60	**37**
38	26.98	27.36	27.74	28.12	28.50	28.88	29.26	29.64	30.02	30.40	**38**
39	27.69	28.08	28.47	28.86	29.25	29.64	30.03	30.42	30.81	31.20	**39**
40	28.40	28.80	29.20	29.60	30.00	30.40	30.80	31.20	31.60	32.00	**40**
41	29.11	29.52	29.93	30.34	30.75	31.16	31.57	31.98	32.39	32.80	**41**
42	29.82	30.24	30.66	31.08	31.50	31.92	32.34	32.76	33.18	33.60	**42**
43	30.53	30.96	31.39	31.82	32.25	32.68	33.11	33.54	33.97	34.40	**43**
44	31.24	31.68	32.12	32.56	33.00	33.44	33.88	34.32	34.76	35.20	**44**
45	31.95	32.40	32.85	33.30	33.75	34.20	34.65	35.10	35.55	36.00	**45**
46	32.66	33.12	33.58	34.04	34.50	34.96	35.42	35.88	36.34	36.80	**46**
47	33.37	33.84	34.31	34.78	35.25	35.72	36.19	36.66	37.13	37.60	**47**
48	34.08	34.56	35.04	35.52	36.00	36.48	36.96	37.44	37.92	38.40	**48**
49	34.79	35.28	35.77	36.26	36.75	37.24	37.73	38.22	38.71	39.20	**49**
50	35.50	36.00	36.50	37.00	37.50	38.00	38.50	39.00	39.50	40.00	**50**

See explanation pages 201 and 222. **For 51 to 100 see next page.**

Lumber and Cost Tables—Multiplication, Division, Etc.

No.	.71	.72	.73	.74	.75	.76	.77	.78	.79	.80	No.
51	36.21	36.72	37.23	37.74	38.25	38.76	39.27	39.78	40.29	40.80	**51**
52	36.92	37.44	37.96	38.48	39.00	39.52	40.04	40.56	41.08	41.60	**52**
53	37.63	38.16	38.69	39.22	39.75	40.28	40.81	41.34	41.87	42.40	**53**
54	38.34	38.88	39.42	39.96	40.50	41.04	41.58	42.12	42.66	43.20	**54**
55	39.05	39.60	40.15	40.70	41.25	41.80	42.35	42.90	43.45	44.00	**55**
56	39.76	40.32	40.88	41.44	42.00	42.56	43.12	43.68	44.24	44.80	**56**
57	40.47	41.04	41.61	42.18	42.75	43.32	43.89	44.46	45.03	45.60	**57**
58	41.18	41.76	42.34	42.92	43.50	44.08	44.66	45.24	45.82	46.40	**58**
59	41.89	42.48	43.07	43.66	44.25	44.84	45.43	46.02	46.61	47.20	**59**
60	42.60	43.20	43.80	44.40	45.00	45.60	46.20	46.80	47.40	48.00	**60**
61	43.31	43.92	44.53	45.14	45.75	46.36	46.97	47.58	48.19	48.80	**61**
62	44.02	44.64	45.26	45.88	46.50	47.12	47.74	48.36	48.98	49.60	**62**
63	44.73	45.36	45.99	46.62	47.25	47.88	48.51	49.14	49.77	50.40	**63**
64	45.44	46.08	46.72	47.36	48.00	48.64	49.28	49.92	50.56	51.20	**64**
65	46.15	46.80	47.45	48.10	48.75	49.40	50.05	50.70	51.35	52.00	**65**
66	46.86	47.52	48.18	48.84	49.50	50.16	50.82	51.48	52.14	52.80	**66**
67	47.57	48.24	48.91	49.58	50.25	50.92	51.59	52.26	52.93	53.60	**67**
68	48.28	48.96	49.64	50.32	51.00	51.68	52.36	53.04	53.72	54.40	**68**
69	48.99	49.68	50.37	51.06	51.75	52.44	53.13	53.82	54.51	55.20	**69**
70	49.70	50.40	51.10	51.80	52.50	53.20	53.90	54.60	55.30	56.00	**70**
71	50.41	51.12	51.83	52.54	53.25	53.96	54.67	55.38	56.09	56.80	**71**
72	51.12	51.84	52.56	53.28	54.00	54.72	55.44	56.16	56.88	57.60	**72**
73	51.83	52.56	53.29	54.02	54.75	55.48	56.21	56.94	57.67	58.40	**73**
74	52.54	53.28	54.02	54.76	55.50	56.24	56.98	57.72	58.46	59.20	**74**
75	53.25	54.00	54.75	55.50	56.25	57.00	57.75	58.50	59.25	60.00	**75**
76	53.96	54.72	55.48	56.24	57.00	57.76	58.52	59.28	60.04	60.80	**76**
77	54.67	55.44	56.21	56.98	57.75	58.52	59.29	60.06	60.83	61.60	**77**
78	55.38	56.16	56.94	57.72	58.50	59.28	60.06	60.84	61.62	62.40	**78**
79	56.09	56.88	57.67	58.46	59.25	60.04	60.83	61.62	62.41	63.20	**79**
80	56.80	57.60	58.40	59.20	60.00	60.80	61.60	62.40	63.20	64.00	**80**
81	57.51	58.32	59.13	59.94	60.75	61.56	62.37	63.18	63.99	64.80	**81**
82	58.22	59.04	59.86	60.68	61.50	62.32	63.14	63.96	64.78	65.60	**82**
83	58.93	59.76	60.59	61.42	62.25	63.08	63.91	64.74	65.57	66.40	**83**
84	59.64	60.48	61.32	62.16	63.00	63.84	64.68	65.52	66.36	67.20	**84**
85	60.35	61.20	62.05	62.90	63.75	64.60	65.45	66.30	67.15	68.00	**85**
86	61.06	61.92	62.78	63.64	64.50	65.36	66.22	67.08	67.94	68.80	**86**
87	61.77	62.64	63.51	64.38	65.25	66.12	66.99	67.86	68.73	69.60	**87**
88	62.48	63.36	64.24	65.12	66.00	66.88	67.76	68.64	69.52	70.40	**88**
89	63.19	64.08	64.97	65.86	66.75	67.64	68.53	69.42	70.31	71.20	**89**
90	63.90	64.80	65.70	66.60	67.50	68.40	69.30	70.20	71.10	72.00	**90**
91	64.61	65.52	66.43	67.34	68.25	69.16	70.07	70.98	71.89	72.80	**91**
92	65.32	66.24	67.16	68.08	69.00	69.92	70.84	71.76	72.68	73.60	**92**
93	66.03	66.96	67.89	68.82	69.75	70.68	71.61	72.54	73.47	74.40	**93**
94	66.74	67.68	68.62	69.56	70.50	71.44	72.38	73.32	74.26	75.20	**94**
95	67.45	68.40	69.35	70.30	71.25	72.20	73.15	74.10	75.05	76.00	**95**
96	68.16	69.12	70.08	71.04	72.00	72.96	73.92	74.88	75.84	76.80	**96**
97	68.87	69.84	70.81	71.78	72.75	73.72	74.69	75.66	76.63	77.60	**97**
98	69.58	70.56	71.54	72.52	73.50	74.48	75.46	76.44	77.42	78.40	**98**
99	70.29	71.28	72.27	73.26	74.25	75.24	76.23	77.22	78.21	79.20	**99**
100	71.00	72.00	73.00	74.00	75.00	76.00	77.00	78.00	79.00	80.00	**100**

Prices given in top margin. Numbers at side margin. See ex-*planation pages 201 and 222.*

Lumber and Cost Tables—Multiplication, Division, Etc.

No.	.81	.82	.83	.84	.85	.86	.87	.88	.89	.90	No.
1	.81	.82	.83	.84	.85	.86	.87	.88	.89	.90	**1**
2	1.62	1.64	1.66	1.68	1.70	1.72	1.74	1.76	1.78	1.80	**2**
3	2.43	2.46	2.49	2.52	2.55	2.58	2.61	2.64	2.67	2.70	**3**
4	3.24	3.28	3.32	3.36	3.40	3.44	3.48	3.52	3.56	3.60	**4**
5	4.05	4.10	4.15	4.20	4.25	4.30	4.35	4.40	4.45	4.50	**5**
6	4.86	4.92	4.98	5.04	5.10	5.16	5.22	5.28	5.34	5.40	**6**
7	5.67	5.74	5.81	5.88	5.95	6.02	6.09	6.16	6.23	6.30	**7**
8	6.48	6.56	6.64	6.72	6.80	6.88	6.96	7.04	7.12	7.20	**8**
9	7.29	7.38	7.47	7.56	7.65	7.74	7.83	7.92	8.01	8.10	**9**
10	8.10	8.20	8.30	8.40	8.50	8.60	8.70	8.80	8.90	9.00	**10**
11	8.91	9.02	9.13	9.24	9.35	9.46	9.57	9.68	9.79	9.90	**11**
12	9.72	9.84	9.96	10.08	10.20	10.32	10.44	10.56	10.68	10.80	**12**
13	10.53	10.66	10.79	10.92	11.05	11.18	11.31	11.44	11.57	11.70	**13**
14	11.34	11.48	11.62	11.76	11.90	12.04	12.18	12.32	12.46	12.60	**14**
15	12.15	12.30	12.45	12.60	12.75	12.90	13.05	13.20	13.35	13.50	**15**
16	12.96	13.12	13.28	13.44	13.60	13.76	13.92	14.08	14.24	14.40	**16**
17	13.77	13.94	14.11	14.28	14.45	14.62	14.79	14.96	15.13	15.30	**17**
18	14.58	14.76	14.94	15.12	15.30	15.48	15.66	15.84	16.02	16.20	**18**
19	15.39	15.58	15.77	15.96	16.15	16.34	16.53	16.72	16.91	17.10	**19**
20	16.20	16.40	16.60	16.80	17.00	17.20	17.40	17.60	17.80	18.00	**20**
21	17.01	17.22	17.43	17.64	17.85	18.06	18.27	18.48	18.69	18.90	**21**
22	17.82	18.04	18.26	18.48	18.70	18.92	19.14	19.36	19.58	19.80	**22**
23	18.63	18.86	19.09	19.32	19.55	19.78	20.01	20.24	20.47	20.70	**23**
24	19.44	19.68	19.92	20.16	20.40	20.64	20.88	21.12	21.36	21.60	**24**
25	20.25	20.50	20.75	21.00	21.25	21.50	21.75	22.00	22.25	22.50	**25**
26	21.06	21.32	21.58	21.84	22.10	22.36	22.62	22.88	23.14	23.40	**26**
27	21.87	22.14	22.41	22.68	22.95	23.22	23.49	23.76	24.03	24.30	**27**
28	22.68	22.96	23.24	23.52	23.80	24.08	24.36	24.64	24.92	25.20	**28**
29	23.49	23.78	24.07	24.36	24.65	24.94	25.23	25.52	25.81	26.10	**29**
30	24.30	24.60	24.90	25.20	25.50	25.80	26.10	26.40	26.70	27.00	**30**
31	25.11	25.42	25.73	26.04	26.35	26.66	26.97	27.28	27.59	27.90	**31**
32	25.92	26.24	26.56	26.88	27.20	27.52	27.84	28.16	28.48	28.80	**32**
33	26.73	27.06	27.39	27.72	28.05	28.38	28.71	29.04	29.37	29.70	**33**
34	27.54	27.88	28.22	28.56	28.90	29.24	29.58	29.92	30.26	30.60	**34**
35	28.35	28.70	29.05	29.40	29.75	30.10	30.45	30.80	31.15	31.50	**35**
36	29.16	29.52	29.88	30.24	30.60	30.96	31.32	31.68	32.04	32.40	**36**
37	29.97	30.34	30.71	31.08	31.45	31.82	32.19	32.56	32.93	33.30	**37**
38	30.78	31.16	31.54	31.92	32.30	32.68	33.06	33.44	33.82	34.20	**38**
39	31.59	31.98	32.37	32.76	33.15	33.54	33.93	34.32	34.71	35.10	**39**
40	32.40	32.80	33.20	33.60	34.00	34.40	34.80	35.20	35.60	36.00	**40**
41	33.21	33.62	34.03	34.44	34.85	35.26	35.67	36.08	36.49	36.90	**41**
42	34.02	34.44	34.86	35.28	35.70	36.12	36.54	36.96	37.38	37.80	**42**
43	34.83	35.26	35.69	36.12	36.55	36.98	37.41	37.84	38.27	38.70	**43**
44	35.64	36.08	36.52	36.96	37.40	37.84	38.28	38.72	39.16	39.60	**44**
45	36.45	36.90	37.35	37.80	38.25	38.70	39.15	39.60	40.05	40.50	**45**
46	37.26	37.72	38.18	38.64	39.10	39.56	40.02	40.48	40.94	41.40	**46**
47	38.07	38.54	39.01	39.48	39.95	40.42	40.89	41.36	41.83	42.30	**47**
48	38.88	39.36	39.84	40.32	40.80	41.28	41.76	42.24	42.72	43.20	**48**
49	39.69	40.18	40.67	41.16	41.65	42.14	42.63	43.12	43.61	44.10	**49**
50	40.50	41.00	41.50	42.00	42.50	43.00	43.50	44.00	44.50	45.00	**50**

See explanation pages 201 and 222. For 51 to 100 see next page.

Lumber and Cost Tables—Multiplication, Division, Etc.

No.	.81	.82	.83	.84	.85	.86	.87	.88	.89	.90	No.
51	41.31	41.82	42.33	42.84	43.35	43.86	44.37	44.88	45.39	45.90	**51**
52	42.12	42.64	43.16	43.68	44.20	44.72	45.24	45.76	46.28	46.80	**52**
53	42.93	43.46	43.99	44.52	45.05	45.58	46.11	46.64	47.17	47.70	**53**
54	43.74	44.28	44.82	45.36	45.90	46.44	46.98	47.52	48.06	48.60	**54**
55	44.55	45.10	45.65	46.20	46.75	47.30	47.85	48.40	48.95	49.50	**55**
56	45.36	45.92	46.48	47.04	47.60	48.16	48.72	49.28	49.84	50.40	**56**
57	46.17	46.74	47.31	47.88	48.45	49.02	49.59	50.16	50.73	51.30	**57**
58	46.98	47.56	48.14	48.72	49.30	49.88	50.46	51.04	51.62	52.20	**58**
59	47.79	48.38	48.97	49.56	50.15	50.74	51.33	51.92	52.51	53.10	**59**
60	48.60	49.20	49.80	50.40	51.00	51.60	52.20	52.80	53.40	54.00	**60**
61	49.41	50.02	50.63	51.24	51.85	52.46	53.07	53.68	54.29	54.90	**61**
62	50.22	50.84	51.46	52.08	52.70	53.32	53.94	54.56	55.18	55.80	**62**
63	51.03	51.66	52.29	52.92	53.55	54.18	54.81	55.44	56.07	56.70	**63**
64	51.84	52.48	53.12	53.76	54.40	55.04	55.68	56.32	56.96	57.60	**64**
65	52.65	53.30	53.95	54.60	55.25	55.90	56.55	57.20	57.85	58.50	**65**
66	53.46	54.12	54.78	55.44	56.10	56.76	57.42	58.08	58.74	59.40	**66**
67	54.27	54.94	55.61	56.28	56.95	57.62	58.29	58.96	59.63	60.30	**67**
68	55.08	55.76	56.44	57.12	57.80	58.48	59.16	59.84	60.52	61.20	**68**
69	55.89	56.58	57.27	57.96	58.65	59.34	60.03	60.72	61.41	62.10	**69**
70	56.70	57.40	58.10	58.80	59.50	60.20	60.90	61.60	62.30	63.00	**70**
71	57.51	58.22	58.93	59.64	60.35	61.06	61.77	62.48	63.19	63.90	**71**
72	58.32	59.04	59.76	60.48	61.20	61.92	62.64	63.36	64.08	64.80	**72**
73	59.13	59.86	60.59	61.32	62.05	62.78	63.51	64.24	64.97	65.70	**73**
74	59.94	60.68	61.42	62.16	62.90	63.64	64.38	65.12	65.86	66.60	**74**
75	60.75	61.50	62.25	63.00	63.75	64.50	65.25	66.00	66.75	67.50	**75**
76	61.56	62.32	63.08	63.84	64.60	65.36	66.12	66.88	67.64	68.40	**76**
77	62.37	63.14	63.91	64.68	65.45	66.22	66.99	67.76	68.53	69.30	**77**
78	63.18	63.96	64.74	65.52	66.30	67.08	67.86	68.64	69.42	70.20	**78**
79	63.99	64.78	65.57	66.36	67.15	67.94	68.73	69.52	70.31	71.10	**79**
80	64.80	65.60	66.40	67.20	68.00	68.80	69.60	70.40	71.20	72.00	**80**
81	65.61	66.42	67.23	68.04	68.85	69.66	70.47	71.28	72.09	72.90	**81**
82	66.42	67.24	68.06	68.88	69.70	70.52	71.34	72.16	72.98	73.80	**82**
83	67.23	68.06	68.89	69.72	70.55	71.38	72.21	73.04	73.87	74.70	**83**
84	68.04	68.88	69.72	70.56	71.40	72.24	73.08	73.92	74.76	75.60	**84**
85	68.85	69.70	70.55	71.40	72.25	73.10	73.95	74.80	75.65	76.50	**85**
86	69.66	70.52	71.38	72.24	73.10	73.96	74.82	75.68	76.54	77.40	**86**
87	70.47	71.34	72.21	73.08	73.95	74.82	75.69	76.56	77.43	78.30	**87**
88	71.28	72.16	73.04	73.92	74.80	75.68	76.56	77.44	78.32	79.20	**88**
89	72.09	72.98	73.87	74.76	75.65	76.54	77.43	78.32	79.21	80.10	**89**
90	72.90	73.80	74.70	75.60	76.50	77.40	78.30	79.20	80.10	81.00	**90**
91	73.71	74.62	75.53	76.44	77.35	78.26	79.17	80.08	80.99	81.90	**91**
92	74.52	75.44	76.36	77.28	78.20	79.12	80.04	80.96	81.88	82.80	**92**
93	75.33	76.26	77.19	78.12	79.05	79.98	80.91	81.84	82.77	83.70	**93**
94	76.14	77.08	78.02	78.96	79.90	80.84	81.78	82.72	83.66	84.60	**94**
95	76.95	77.90	78.85	79.80	80.75	81.70	82.65	83.60	84.55	85.50	**95**
96	77.76	78.72	79.68	80.64	81.60	82.56	83.52	84.48	85.44	86.40	**96**
97	78.57	79.54	80.51	81.48	82.45	83.42	84.39	85.36	86.33	87.30	**97**
98	79.38	80.36	81.34	82.32	83.30	84.28	85.26	86.24	87.22	88.20	**98**
99	80.19	81.18	82.17	83.16	84.15	85.14	86.13	87.12	88.11	89.10	**99**
100	81.00	82.00	83.00	84.00	85.00	86.00	87.00	88.00	89.00	90.00	**100**

Prices given in top margin. Numbers at side margin. See explanation pages 201 and 222.

No.	.91	.92	.93	.94	.95	.96	.97	.98	.99	1.00	No.
1	.91	.92	.93	.94	.95	.96	.97	.98	.99	1.00	1
2	1.82	1.84	1.86	1.88	1.90	1.92	1.94	1.96	1.98	2.00	2
3	2.73	2.76	2.79	2.82	2.85	2.88	2.91	2.94	2.97	3.00	3
4	3.64	3.68	3.72	3.76	3.80	3.84	3.88	3.92	3.96	4.00	4
5	4.55	4.60	4.65	4.70	4.75	4.80	4.85	4.90	4.95	5.00	5
6	5.46	5.52	5.58	5.64	5.70	5.76	5.82	5.88	5.94	6.00	6
7	6.37	6.44	6.51	6.58	6.65	6.72	6.79	6.86	6.93	7.00	7
8	7.28	7.36	7.44	7.52	7.60	7.68	7.76	7.84	7.92	8.00	8
9	8.19	8.28	8.37	8.46	8.55	8.64	8.73	8.82	8.91	9.00	9
10	9.10	9.20	9.30	9.40	9.50	9.60	9.70	9.80	9.90	10.00	10
11	10.01	10.12	10.23	10.34	10.45	10.56	10.67	10.78	10.89	11.00	11
12	10.92	11.04	11.16	11.28	11.40	11.52	11.64	11.76	11.88	12.00	12
13	11.83	11.96	12.09	12.22	12.35	12.48	12.61	12.74	12.87	13.00	13
14	12.74	12.88	13.02	13.16	13.30	13.44	13.58	13.72	13.86	14.00	14
15	13.65	13.80	13.95	14.10	14.25	14.40	14.55	14.70	14.85	15.00	15
16	14.56	14.72	14.88	15.04	15.20	15.36	15.52	15.68	15.84	16.00	16
17	15.47	15.64	15.81	15.98	16.15	16.32	16.49	16.66	16.83	17.00	17
18	16.38	16.56	16.74	16.92	17.10	17.28	17.46	17.64	17.82	18.00	18
19	17.29	17.48	17.67	17.86	18.05	18.24	18.43	18.62	18.81	19.00	19
20	18.20	18.40	18.60	18.80	19.00	19.20	19.40	19.60	19.80	20.00	20
21	19.11	19.32	19.53	19.74	19.95	20.16	20.37	20.58	20.79	21.00	21
22	20.02	20.24	20.46	20.68	20.90	21.12	21.34	21.56	21.78	22.00	22
23	20.93	21.16	21.39	21.62	21.85	22.08	22.31	22.54	22.77	23.00	23
24	21.84	22.08	22.32	22.56	22.80	23.04	23.28	23.52	23.76	24.00	24
25	22.75	23.00	23.25	23.50	23.75	24.00	24.25	24.50	24.75	25.00	25
26	23.66	23.92	24.18	24.44	24.70	24.96	25.22	25.48	25.74	26.00	26
27	24.57	24.84	25.11	25.38	25.65	25.92	26.19	26.46	26.73	27.00	27
28	25.48	25.76	26.04	26.32	26.60	26.88	27.16	27.44	27.72	28.00	28
29	26.39	26.68	26.97	27.26	27.55	27.84	28.13	28.42	28.71	29.00	29
30	27.30	27.60	27.90	28.20	28.50	28.80	29.10	29.40	29.70	30.00	30
31	28.21	28.52	28.83	29.14	29.45	29.76	30.07	30.38	30.69	31.00	31
32	29.12	29.44	29.76	30.08	30.40	30.72	31.04	31.36	31.68	32.00	32
33	30.03	30.36	30.69	31.02	31.35	31.68	32.01	32.34	32.67	33.00	33
34	30.94	31.28	31.62	31.96	32.30	32.64	32.98	33.32	33.66	34.00	34
35	31.85	32.20	32.55	32.90	33.25	33.60	33.95	34.30	34.65	35.00	35
36	32.76	33.12	33.48	33.84	34.20	34.56	34.92	35.28	35.64	36.00	36
37	33.67	34.04	34.41	34.78	35.15	35.52	35.89	36.26	36.63	37.00	37
38	34.58	34.96	35.34	35.72	36.10	36.48	36.86	37.24	37.62	38.00	38
39	35.49	35.88	36.27	36.66	37.05	37.44	37.83	38.22	38.61	39.00	39
40	36.40	36.80	37.20	37.60	38.00	38.40	38.80	39.20	39.60	40.00	40
41	37.31	37.72	38.13	38.54	38.95	39.36	39.77	40.18	40.59	41.00	41
42	38.22	38.64	39.06	39.48	39.90	40.32	40.74	41.16	41.58	42.00	42
43	39.13	39.56	39.99	40.42	40.85	41.28	41.71	42.14	42.57	43.00	43
44	40.04	40.48	40.92	41.36	41.80	42.24	42.68	43.12	43.56	44.00	44
45	40.95	41.40	41.85	42.30	42.75	43.20	43.65	44.10	44.55	45.00	45
46	41.86	42.32	42.78	43.24	43.70	44.16	44.62	45.08	45.54	46.00	46
47	42.77	43.24	43.71	44.18	44.65	45.12	45.59	46.06	46.53	47.00	47
48	43.68	44.16	44.64	45.12	45.60	46.08	46.56	47.04	47.52	48.00	48
49	44.59	45.08	45.57	46.06	46.55	47.04	47.53	48.02	48.51	49.00	49
50	45.50	46.00	46.50	47.00	47.50	48.00	48.50	49.00	49.50	50.00	50

See explanation pages 201 and 222. For 51 to 100 see next page.

Lumber and Cost Tables—Multiplication, Division, Etc.

No.	.91	.92	.93	.94	.95	.96	.97	.98	.99	100	No.
51	46.41	46.92	47.43	47.94	48.45	48.96	49.47	49.98	50.49	51.00	**51**
52	47.32	47.84	48.36	48.88	49.40	49.92	50.44	50.96	51.48	52.00	**52**
53	48.23	48.76	49.29	49.82	50.35	50.88	51.41	51.94	52.47	53.00	**53**
54	49.14	49.68	50.22	50.76	51.30	51.84	52.38	52.92	53.46	54.00	**54**
55	50.05	50.60	51.15	51.70	52.25	52.80	53.35	53.90	54.45	55.00	**55**
56	50.96	51.52	52.08	52.64	53.20	53.76	54.32	54.88	55.44	56.00	**56**
57	51.87	52.44	53.01	53.58	54.15	54.72	55.29	55.86	56.43	57.00	**57**
58	52.78	53.36	53.94	54.52	55.10	55.68	56.26	56.84	57.42	58.00	**58**
59	53.69	54.28	54.87	55.46	56.05	56.64	57.23	57.82	58.41	59.00	**59**
60	54.60	55.20	55.80	56.40	57.00	57.60	58.20	58.80	59.40	60.00	**60**
61	55.51	56.12	56.73	57.34	57.95	58.56	59.17	59.78	60.39	61.00	**61**
62	56.42	57.04	57.66	58.28	58.90	59.52	60.14	60.76	61.38	62.00	**62**
63	57.33	57.96	58.59	59.22	59.85	60.48	61.11	61.74	62.37	63.00	**63**
64	58.24	58.88	59.52	60.16	60.80	61.44	62.08	62.72	63.36	64.00	**64**
65	59.15	59.80	60.45	61.10	61.75	62.40	63.05	63.70	64.35	65.00	**65**
66	60.06	60.72	61.38	62.04	62.70	63.36	64.02	64.68	65.34	66.00	**66**
67	60.97	61.64	62.31	62.98	63.65	64.32	64.99	65.66	66.33	67.00	**67**
68	61.88	62.56	63.24	63.92	64.60	65.28	65.96	66.64	67.32	68.00	**68**
69	62.79	63.48	64.17	64.86	65.55	66.24	66.93	67.62	68.31	69.00	**69**
70	63.70	64.40	65.10	65.80	66.50	67.20	67.90	68.60	69.30	70.00	**70**
71	64.61	65.32	66.03	66.74	67.45	68.16	68.87	69.58	70.29	71.00	**71**
72	65.52	66.24	66.96	67.68	68.40	69.12	69.84	70.56	71.28	72.00	**72**
73	66.43	67.16	67.89	68.62	69.35	70.08	70.81	71.54	72.27	73.00	**73**
74	67.34	68.08	68.82	69.56	70.30	71.04	71.78	72.52	73.26	74.00	**74**
75	68.25	69.00	69.75	70.50	71.25	72.00	72.75	73.50	74.25	75.00	**75**
76	69.16	69.92	70.68	71.44	72.20	72.96	73.72	74.48	75.24	76.00	**76**
77	70.07	70.84	71.61	72.38	73.15	73.92	74.69	75.46	76.23	77.00	**77**
78	70.98	71.76	72.54	73.32	74.10	74.88	75.66	76.44	77.22	78.00	**78**
79	71.89	72.68	73.47	74.26	75.05	75.84	76.63	77.42	78.21	79.00	**79**
80	72.80	73.60	74.40	75.20	76.00	76.80	77.60	78.40	79.20	80.00	**80**
81	73.71	74.52	75.33	76.14	76.95	77.76	78.57	79.38	80.19	81.00	**81**
82	74.62	75.44	76.26	77.08	77.90	78.72	79.54	80.36	81.18	82.00	**82**
83	75.53	76.36	77.19	78.02	78.85	79.68	80.51	81.34	82.17	83.00	**83**
84	76.44	77.28	78.12	78.96	79.80	80.64	81.48	82.32	83.16	84.00	**84**
85	77.35	78.20	79.05	79.90	80.75	81.60	82.45	83.30	84.15	85.00	**85**
86	78.26	79.12	79.98	80.84	81.70	82.56	83.42	84.28	85.14	86.00	**86**
87	79.17	80.04	80.91	81.78	82.65	83.52	84.39	85.26	86.13	87.00	**87**
88	80.08	80.96	81.84	82.72	83.60	84.48	85.36	86.24	87.12	88.00	**88**
89	80.99	81.88	82.77	83.66	84.55	85.44	86.33	87.22	88.11	89.00	**89**
90	81.90	82.80	83.70	84.60	85.50	86.40	87.30	88.20	89.10	90.00	**90**
91	82.81	83.72	84.63	85.54	86.45	87.36	88.27	89.18	90.09	91.00	**91**
92	83.72	84.64	85.56	86.48	87.40	88.32	89.24	90.16	91.08	92.00	**92**
93	84.63	85.56	86.49	87.42	88 35	89.28	90.21	91.14	92.07	93.00	**93**
94	85.54	86.48	87.42	88.36	89.30	90.24	91.18	92.12	93.06	94.00	**94**
95	86.45	87.40	88.35	89.30	90.25	91.20	92.15	93.10	94.05	95.00	**95**
96	87.36	88.32	89.28	90.24	91 20	92.16	93.12	94.08	95.04	96.00	**96**
97	88.27	89.24	90.21	91.18	92.15	93.12	94.09	95.06	96.03	97.00	**97**
98	89.18	90.16	91.14	92.12	93.10	94.08	95.06	96.04	97.02	98.00	**98**
99	90.09	91.08	92.07	93.06	94.05	95.04	96.03	97.02	98.01	99 00	**99**
100	91.00	92.00	93.00	94.00	95.60	96.00	97.00	98.00	99.00	100.00	**100**

Prices given in top margin. Numbers at side margin. See explanation pages 201 and 222.

Explanations for Tables for Buying and Selling.

By removing separating point one place to the right for 1 becomes the answer for 10; two places to the right answer for 100; three places to the right answer for 1000.

EXAMPLE.—To find the cost of 49 feet of lumber at $10.25 per 1000 feet, see page 223, table for $10.25 per 1000, and we find 49 feet at $10.25 per 1000 feet is .50225; remove the point one place to the right, $5.0225, and we have the answer for 490 feet; two places to the right, $50.225, and we have the answer for 4,900 feet; three places to the right, $502.25, and we have the answer for 49,000 feet.

Tables answer equally as well for pounds, articles, yards, numbers of plants, etc. Thirty-two pounds of hay at $21.50 per ton, see page 223, table for 21.50 per ton, and we have the answer .344; if 320 pounds, remove point one place to the right, $3.44, and we have the answer for 320 pounds; three places to the right, $34.40, and we have the answer for 3,200 pounds; 250 plants at 90 cents per 1,000, see page 235, table for .90 per 1000, and we have the answer .225; remove the point one place to the right, and we have $2.25, answer for 2,500 plants.

Lumber tables and pages 201 to 221 apply equally as well for figuring cost, etc. Example: 333 articles at 36⅔ each, see index for cost, page 291. Page given for 36⅔ is page 82, turn to page 82, run down left hand margin to 330, then three columns to right and we have the answer, $122.10; if for 3330, annex cipher and place point one place to right, $1,221.00. Again suppose you wish to find cost of 67 articles at .60⅔ each, see cost index page 291. Index gives page 100 for table 60⅔; turn to page 100 and table of 60⅔ and we find the answer for 67 to be $40.64⅔, the correct answer.

NOTE.—All Cost and Lumber tables can be quickly and easily found by turning to pages 289, 290 and 291.

To find number of feet in greater number of pieces than shown in tables:

To the lower corresponding number or multiple annex one or more ciphers, if there is no fraction; for the fraction ⅙, drop the fraction and annex 1⅔; for ⅚, annex 8⅓, dropping fraction as before; for ½, annex 5; for ⅓, annex 3⅓; for ⅔, annex 6⅔; for ¼, annex 2½; for ¾, annex 7½. Annexing the figure is equivalent to multiplying by ten.

$1.025 per 100
$10.25 " 1000
$20.50 " Ton

	1	2.	3	4	5	6	7	8	9	10	
	.01025	.0205	.03075	.041	.05125	.0615	.07175	.082	.09225	.1025	10
0	.11275	.123	.13325	.1435	.15375	.164	.17425	.1845	.19475	.205	20
0	.21525	.2255	.23575	.246	.25625	.2665	.27675	.287	.29725	.3075	30
0	.31775	.328	.33825	.3485	.35875	.369	.37925	.3895	.39975	.41	40
0	.42025	.4305	.44075	.451	.46125	.4715	.48175	.492	.50225	.5125	50
0	.52275	.533	.54325	.5535	.56375	.574	.58425	.5945	.60475	.615	60
0	.62525	.6355	.64575	.656	.66625	.6765	.68675	.697	.70725	.7175	70
0	.72775	.738	.74825	.7585	.76875	.779	.78925	.7995	.80975	.82	80
0	.83025	.8405	.85075	.861	.87125	.8815	.89175	.902	.91225	.9225	90
0	.93275	.943	.95325	.9635	.97375	.984	.99425	1.0045	1.01475	1.025	100

$1.05 per 100
$10.50 " 1000
$21.00 " Ton

	.0105	.021	.0315	.042	.0525	.063	.0735	.084	.0945	.105	10
0	.1155	.126	.1365	.147	.1575	.168	.1785	.189	.1995	.21	20
0	.2205	.231	.2415	.252	.2625	.273	.2835	.294	.3045	.315	30
0	.3255	.336	.3465	.357	.3675	.378	.3885	.399	.4095	.42	40
0	.4305	.441	.4515	.462	.4725	.483	.4935	.504	.5145	.525	50
0	.5355	.546	.5565	.567	.5775	.588	.5985	.609	.6195	.63	60
0	.6405	.651	.6615	.672	.6825	.693	.7035	.714	.7245	.735	70
0	.7455	.756	.7665	.777	.7875	.798	.8085	.819	.8295	.84	80
0	.8505	.861	.8715	.882	.8925	.903	.9135	.924	.9345	.945	90
0	.9555	.966	.9765	.987	.9975	1.008	1.0185	1.029	1.0395	1.05	100

$1.075 per 100
$10.75 " 1000
$21.50 " Ton

	.01075	.0215	.03225	.043	.05375	.0645	.07525	.086	.09675	.1075	10
0	.11825	.129	.13975	.1505	.16125	.172	.18275	.1935	.20425	.215	20
0	.22575	.2365	.24725	.258	.26875	.2795	.29025	.301	.31175	.3225	30
0	.33325	.344	.35475	.3655	.37625	.387	.39775	.4085	.41925	.43	40
0	.44075	.4515	.46225	.473	.48375	.4945	.50525	.516	.52675	.5375	50
0	.54825	.559	.56975	.5805	.59125	.602	.61275	.6235	.63425	.645	60
0	.65575	.6665	.67725	.688	.69875	.7095	.72025	.731	.74175	.7525	70
0	.76325	.774	.78475	.7955	.80625	.817	.82775	.8385	.84925	.86	80
0	.87075	.8815	.89225	.903	.91375	.9245	.93525	.946	.95675	.9675	90
0	.97825	.989	.99975	1.0105	1.02125	1.032	1.04275	1.0535	1.06425	1.075	100

$ 1.10 per 100
$11.00 " 1000
$22.00 " Ton

	.011	.022	.033	.044	.055	.066	.077	.088	.099	.11	10
0	.121	.132	.143	.154	.165	.176	.187	.198	.209	.22	20
0	.231	.242	.253	.264	.275	.286	.297	.308	.319	.33	30
0	.341	.352	.363	.374	.385	.396	.407	.418	.429	.44	40
0	.451	.462	.473	.484	.495	.506	.517	.528	.539	.55	50
0	.561	.572	.583	.594	.605	.616	.627	.638	.649	.66	60
0	.671	.682	.693	.704	.715	.726	.737	.748	.759	.77	70
0	.781	.792	.803	.814	.825	.836	.847	.858	.869	.88	80
0	.891	.902	.913	.924	.935	.946	.957	.968	.979	.99	90
0	1.001	1.012	1.023	1.034	1.045	1.056	1.067	1.078	1.089	1.10	100

See explanation on page 222.

$1.125 per 100
$11.25 " 1000
$22.50 " Ton

	1	2	3	4	5	6	7	8	9
	.01125	.0225	.03375	.045	.05625	.0675	.07875	.09	.10125
10	.12375	.135	.14625	.1575	.16875	.18	.19125	.2025	.21375
20	.23625	.2475	.25875	.27	.28125	.2925	.30375	.315	.32625
30	.34875	.36	.37125	.3825	.39375	.405	.41625	.4275	.43875
40	.46125	.4725	.48375	.495	.50625	.5175	.52875	.54	.55125
50	.57375	.585	.59625	.6075	.61875	.63	.64125	.6525	.66375
60	.68625	.6975	.70875	.72	.73125	.7425	.75375	.765	.77625
70	.79875	.81	.82125	.8325	.84375	.855	.86625	.8775	.88875
80	.91125	.9225	.93375	.945	.95625	.9675	.97875	.99	1.00125
90	1.02375	1.035	1.04625	1.0575	1.06875	1.08	1.09125	1.1025	1.11375

$ 1.15 per 100
$11.50 " 1000
$23.00 " Ton

	.0115	.023	.0345	.046	.0575	.069	.0805	.092	.1035
10	.1265	.138	.1495	.161	.1725	.184	.1955	.207	.2185
20	.2415	.253	.2645	.276	.2875	.299	.3105	.322	.3335
30	.3565	.368	.3795	.391	.4025	.414	.4255	.437	.4485
40	.4715	.483	.4945	.506	.5175	.529	.5405	.552	.5635
50	.5865	.598	.6095	.621	.6325	.644	.6555	.667	.6785
60	.7015	.713	.7245	.736	.7475	.759	.7705	.782	.7935
70	.8165	.828	.8395	.851	.8625	.874	.8855	.897	.9085
80	.9315	.943	.9545	.966	.9775	.989	1.0005	1.012	1.0235
90	1.0465	1.058	1.0695	1.081	1.0925	1.104	1.1155	1.127	1.1385

$1.175 per 100
$11.75 " 1000
$23.50 " Ton

	.01175	.0235	.03525	.047	.05875	.0705	.08225	.094	.10575
10	.12925	.141	.15275	.1645	.17625	.188	.19975	.2115	.22325
20	.24675	.2585	.27025	.282	.29375	.3055	.31725	.329	.34075
30	.36425	.376	.38775	.3995	.41125	.423	.43475	.4465	.45825
40	.48175	.4935	.50525	.517	.52875	.5405	.55225	.564	.57575
50	.59925	.611	.62275	.6345	.64625	.658	.66975	.6815	.69325
60	.71675	.7285	.74025	.752	.76375	.7755	.78725	.799	.81075
70	.83425	.846	.85775	.8695	.88125	.893	.90475	.9165	.92825
80	.95175	.9635	.97525	.987	.99875	1.0105	1.02225	1.034	1.04575
90	1.06925	1.081	1.09275	1.1045	1.11625	1.128	1.13975	1.1515	1.16325

$ 1.20 per 100
$12.00 " 1000
$24.00 " Ton

	.012	.024	.036	.048	.06	.072	.084	.096	.108
10	.132	.144	.156	.168	.18	.192	.204	.216	.228
20	.252	.264	.276	.288	.30	.312	.324	.336	.348
30	.372	.384	.396	.408	.42	.432	.444	.456	.468
40	.492	.504	.516	.528	.54	.552	.564	.576	.588
50	.612	.624	.636	.648	.66	.672	.684	.696	.708
60	.732	.744	.756	.768	.78	.792	.804	.816	.828
70	.852	.864	.876	.888	.90	.912	.924	.936	.948
80	.972	.984	.996	1.008	1.02	1.032	1.044	1.056	1.068
90	1.092	1.104	1.116	1.128	1.14	1.152	1.164	1.176	1.188

See explanations on page 238.

$1.225 per 100
$12.25 " 1000
$24.50 " Ton

1	2	3	4	5	6	7	8	9	10	
.01225	.0245	.03675	.049	.06125	.0735	.08575	.098	.11025	.1225	**10**
.13475	.147	.15925	.1715	.18375	.196	.20825	.2205	.23275	.245	**20**
.25725	.2695	.28175	.294	.30625	.3185	.33075	.343	.35525	.3675	**30**
.37975	.392	.40425	.4165	.42875	.441	.45325	.4655	.47775	.49	**40**
.50225	.5145	.52675	.539	.55125	.5635	.57575	.588	.60025	.6125	**50**
.62475	.637	.64925	.6615	.67375	.686	.69825	.7105	.72275	.735	**60**
.74725	.7595	.77175	.784	.79625	.8085	.82075	.833	.84525	.8575	**70**
.86975	.882	.89425	.9065	.91875	.931	.94325	.9555	.96775	.98	**80**
.99225	1.0045	1.01675	1.029	1.04125	1.0535	1.06575	1.078	1.09025	1.1025	**90**
1.11475	1.127	1.13925	1.1515	1.16375	1.176	1.18825	1.2005	1.21275	1.225	**100**

$ 1.25 per 100
$12.50 " 1000
$25.00 " Ton

.0125	.025	.0375	.05	.0625	.075	.0875	.10	.1125	.125	**10**
.1375	.15	.1625	.175	.1875	.20	.2125	.225	.2375	.25	**20**
.2625	.275	.2875	.30	.3125	.325	.3375	.35	.3625	.375	**30**
.3875	.40	.4125	.425	.4375	.45	.4625	.475	.4875	.50	**40**
.5125	.525	.5375	.55	.5625	.575	.5875	.60	.6125	.625	**50**
.6375	.65	.6625	.675	.6875	.70	.7125	.725	.7375	.75	**60**
.7625	.775	.7875	.80	.8125	.825	.8375	.85	.8625	.875	**70**
.8875	.90	.9125	.925	.9375	.95	.9625	.975	.9875	1.00	**80**
1.0125	1.025	1.0375	1.05	1.0625	1.075	1.0875	1.10	1.1125	1.125	**90**
1.1375	1.15	1.1625	1.175	1.1875	1.20	1.2125	1.225	1.2375	1.25	**100**

$1.275 per 100
$12.75 " 1000
$25.50 " Ton

.01275	.0255	.03825	.051	.06375	.0765	.08925	.102	.11475	.1275	**10**
.14025	.153	.16575	.1785	.19125	.204	.21675	.2295	.24225	.255	**20**
.26775	.2805	.29325	.306	.31875	.3315	.34425	.357	.36975	.3825	**30**
.39525	.408	.42075	.4335	.44625	.459	.47175	.4845	.49725	.51	**40**
.52275	.5355	.54825	.561	.57375	.5865	.59925	.612	.62475	.6375	**50**
.65025	.663	.67575	.6885	.70125	.714	.72675	.7395	.75225	.765	**60**
.77775	.7905	.80325	.816	.82875	.8415	.85425	.867	.87975	.8925	**70**
.90525	.918	.93075	.9435	.95625	.969	.98175	.9945	1.00725	1.02	**80**
1.03275	1.0455	1.05825	1.071	1.08375	1.0965	1.10925	1.122	1.13475	1.1475	**90**
1.16025	1.173	1.18575	1.1985	1.21125	1.224	1.23675	1.2495	1.26225	1.275	**100**

$ 1.30 per 100
$13.00 " 1000
$26.00 " Ton

.013	.026	.039	.052	.065	.078	.091	.104	.117	.13	**10**
.143	.156	.169	.182	.195	.208	.221	.234	.247	.26	**20**
.273	.286	.299	.312	.325	.338	.351	.364	.377	.39	**30**
.403	.416	.429	.442	.455	.468	.481	.494	.507	.52	**40**
.533	.546	.559	.572	.585	.598	.611	.624	.637	.65	**50**
.663	.676	.689	.702	.715	.728	.741	.754	.767	.78	**60**
.793	.806	.819	.832	.845	.858	.871	.884	.897	.91	**70**
.923	.936	.949	.962	.975	.988	1.001	1.014	1.027	1.04	**80**
1.053	1.066	1.079	1.092	1.105	1.118	1.131	1.144	1.157	1.17	**90**
1.183	1.196	1.209	1.222	1.235	1.248	1.261	1.274	1.287	1.30	**100**

explanation on page 222.

$1.325 per 100
$13.25 " 1000
$26.50 " Ton

	1	2	3	4	5	6	7	8	9	10
	.01325	.0265	.03975	.053	.06625	.0795	.09275	.106	.11925	.1325
10	.14575	.159	.17225	.1855	.19875	.212	.22525	.2385	.25175	.265
20	.27825	.2915	.30475	.318	.33125	.3445	.35775	.371	.38425	.3975
30	.41075	.424	.43725	.4505	.46375	.477	.49025	.5035	.51675	.53
40	.54325	.5565	.56975	.583	.59625	.6095	.62275	.636	.64925	.6625
50	.67575	.689	.70225	.7155	.72875	.742	.75525	.7685	.78175	.795
60	.80825	.8215	.83475	.848	.86125	.8745	.88775	.901	.91425	.9275
70	.94075	.954	.96725	.9805	.99375	1.007	1.02025	1.0335	1.04675	1.06
80	1.07325	1.0865	1.09975	1.113	1.12625	1.1395	1.15275	1.166	1.17925	1.1925
90	1.20575	1.219	1.23225	1.2455	1.25875	1.272	1.28525	1.2985	1.31175	1.325

$1.35 per 100
$13.50 " 1000
$27.00 " Ton

	.0135	.027	.0405	.054	.0675	.081	.0945	.108	.1215	.135
10	.1485	.162	.1755	.189	.2025	.216	.2295	.243	.2565	.27
20	.2835	.297	.3105	.324	.3375	.351	.3645	.378	.3915	.405
30	.4185	.432	.4455	.459	.4725	.486	.4995	.513	.5265	.54
40	.5535	.567	.5805	.594	.6075	.621	.6345	.648	.6615	.675
50	.6885	.702	.7155	.729	.7425	.756	.7695	.783	.7965	.81
60	.8235	.837	.8505	.864	.8775	.891	.9045	.918	.9315	.945
70	.9585	.972	.9855	.999	1.0125	1.026	1.0395	1.053	1.0665	1.08
80	1.0935	1.107	1.1205	1.134	1.1475	1.161	1.1745	1.188	1.2015	1.215
90	1.2285	1.242	1.2555	1.269	1.2825	1.296	1.3095	1.323	1.3365	1.35

$1.375 per 100
$13.75 " 1000
$27.50 " Ton

	.01375	.0275	.04125	.055	.06875	.0825	.09625	.11	.12375	.1375
10	.15125	.165	.17875	.1925	.20625	.22	.23375	.2475	.26125	.275
20	.28875	.3025	.31625	.33	.34375	.3575	.37125	.385	.39875	.4125
30	.42625	.44	.45375	.4675	.48125	.495	.50875	.5225	.53625	.55
40	.56375	.5775	.59125	.605	.61875	.6325	.64625	.66	.67375	.6875
50	.70125	.715	.72875	.7425	.75625	.77	.78375	.7975	.81125	.825
60	.83875	.8525	.86625	.88	.89375	.9075	.92125	.935	.94875	.9625
70	.97625	.99	1.00375	1.0175	1.03125	1.045	1.05875	1.0725	1.08625	1.10
80	1.11375	1.1275	1.14125	1.155	1.16875	1.1825	1.19625	1.21	1.22375	1.2375
90	1.25125	1.265	1.27875	1.2925	1.30625	1.32	1.33375	1.3475	1.36125	1.375

$1.40 per 100
$14.00 " 1000
$28.00 " Ton

	.014	.028	.042	.056	.07	.084	.098	.112	.126	.14
10	.154	.168	.182	.196	.21	.224	.238	.252	.266	.28
20	.294	.308	.322	.336	.35	.364	.378	.392	.406	.42
30	.434	.448	.462	.476	.49	.504	.518	.532	.546	.56
40	.574	.588	.602	.616	.63	.644	.658	.672	.686	.70
50	.714	.728	.742	.756	.77	.784	.798	.812	.826	.84
60	.854	.868	.882	.896	.91	.924	.938	.952	.966	.98
70	.994	1.008	1.022	1.036	1.05	1.064	1.078	1.092	1.106	1.12
80	1.134	1.148	1.162	1.176	1.19	1.204	1.218	1.232	1.246	1.26
90	*1.274*	*1.288*	1.302	1.316	1.33	1.344	1.358	1.372	1.386	1.40

See explanation on page 222.

$1.425 per 100
$14.25 " 1000
$28.50 " Ton

	1	2	3	4	5	6	7	8	9	10	
	.01425	.0285	.04275	.057	.07125	.0855	.09975	.114	.12825	.1425	10
10	.15675	.171	.18525	.1995	.21375	.228	.24225	.2565	.27075	.285	20
20	.29925	.3135	.32775	.342	.35625	.3705	.38475	.399	.41325	.4275	30
30	.44175	.456	.47025	.4845	.49875	.513	.52725	.5415	.55575	.57	40
40	.58425	.5985	.61275	.627	.64125	.6555	.66975	.684	.69825	.7125	50
50	.72675	.741	.75525	.7695	.78375	.798	.81225	.8265	84075	.855	60
60	.86925	.8835	.89775	.912	.92625	.9405	.95475	.969	.98325	.9975	70
70	1.01175	1.026	1.04025	1.0545	1.06875	1.083	1.09725	1.1115	1.12575	1.14	80
80	1.15425	1.1685	1.18275	1.197	1.21125	1.2255	1.23975	1.254	1.26825	1.2825	90
90	1.29675	1.311	1.32525	1.3395	1.35375	1.368	1.38225	1.3965	1.41075	1.425	100

$ 1.45 per 100
$14.50 " 1000
$29.00 " Ton

	.0145	.029	.0435	.058	.0725	.087	.1015	.116	.1305	.145	10
10	.1595	.174	.1885	.203	.2175	.232	.2465	.261	.2755	.29	20
20	.3045	.319	.3335	.348	.3625	.377	.3915	.406	.4205	.435	30
30	.4495	.464	.4785	.493	.5075	.522	.5365	.551	.5655	.58	40
40	.5945	.609	.6235	.638	.6525	.667	.6815	.696	.7105	.725	50
50	.7395	.754	.7685	.783	.7975	.812	.8265	.841	.8555	.87	60
60	.8845	.899	.9135	.928	.9425	.957	.9715	.986	1.0005	1.015	70
70	1.0295	1.044	1.0585	1.073	1.0875	1.102	1.1165	1.131	1.1455	1.16	80
80	1.1745	1.189	1.2035	1.218	1.2325	1.247	1.2615	1.276	1.2905	1.305	90
90	1.3195	1.334	1.3485	1.363	1.3775	1.392	1.4065	1.421	1.4355	1.45	100

$1.475 per 100
$14.75 " 1000
$29.50 " Ton

	.01475	.0295	.04425	.059	.07375	.0885	.10325	.118	.13275	.1475	10
10	.16225	.177	.19175	.2065	.22125	.236	.25075	.2655	.28025	.295	20
20	.30975	.3245	.33925	.354	.36875	.3835	.39825	.413	.42775	.4425	30
30	.45725	.472	.48675	.5015	.51625	.531	.54575	.5605	.57525	.59	40
40	.60475	.6195	.63425	.649	.66375	.6785	.69325	.708	.72275	7375	50
50	.75225	.767	.78175	.7965	.81125	.826	.84075	.8555	.87025	.885	60
60	.89975	.9145	.92925	.944	.95875	.9735	.98825	1.003.	1.01775	1.0325	70
70	1.04725	1.062	1.07675	1.0915	1.10625	1.121	1.13575	1.1505	1.16525	1.18	80
80	1.19475	1.2095	1.22425	1.239	1.25375	1.2685	1.28325	1.298	1.31275	1.3275	90
90	1.34225	1.357	1.37175	1.3865	1.40125	1.416	1.43075	1.4455	1.46025	1.475	100

$ 1.50 per 100
$15.00 " 1000
$30.00 " Ton

	.015	.03	.045	.06	.075	.09	.105	.12	.135	.15	10
10	.165	.18	.195	.21	.225	.24	.255	.27	.285	.30	20
20	.315	.33	.345	.36	.375	.39	.405	.42	.435	.45	30
30	.465	.48	.495	.51	.525	.54	.555	.57	.585	.60	40
40	.615	.63	.645	.66	.675	.69	.705	.72	.735	.75	50
50	.765	.78	.795	.81	.825	.84	.855	.87	.885	.90	60
60	.915	.93	.945	.96	.975	.99	1.005	1.02	1.035	1.05	70
70	1.065	1.08	1.095	1.11	1.125	1.14	1.155	1.17	1.185	1.20	80
80	1.215	1.23	1.245	1.26	1.275	1.29	1.305	1.32	1.335	1.35	90
90	1.365	1.38	1.395	1.41	1.425	1.44	1.455	1.47	1.485	1.50	100

See explanation on page 222.

$1.525 per 100
$15.25 " 1000
$30.50 " Ton

	1	2	3	4	5	6	7	8	9	10	
	.01525	.0305	.04575	.061	.07625	.0915	.10675	.122	.13725	.1525	1
10	.16775	.183	.19825	.2135	.22875	.244	.25925	.2745	.28975	.305	2
20	.32025	.3355	.35075	.366	.38125	.3965	.41175	.427	.44225	.4575	3
30	.47275	.488	.50325	.5185	.53375	.549	.56425	.5795	.59475	.61	4
40	.62525	.6405	.65575	.671	.68625	.7015	.71675	.732	.74725	.7625	5
50	.77775	.793	.80825	.8235	.83875	.854	.86925	.8845	.89975	.915	6
60	.93025	.9455	.96075	.976	99125	1.0065	1.02175	1.037	1.05225	1.0675	7
70	1.08275	1.098	1.11325	1.1285	1.14375	1.159	1.17425	1.1895	1.20475	1.22	8
80	1.23525	1.2505	1.26575	1.281	1.29625	1.3115	1.32675	1.342	1.35725	1.3725	9
90	1.38775	1.403	1.41825	1.4335	1.44875	1.464	1.47925	1.4945	1.50975	1.525	10

$ 1.55 per 100
$15.50 " 1000
$31,00 " Ton

	.0155	.031	.0465	.062	.0775	.093	.1085	.124	.1395	.155	1
10	.1705	.186	.2015	.217	.2325	.248	.2635	.279	.2945	.31	2
20	.3255	.341	.3565	.372	.3875	.403	.4185	.434	.4495	.465	3
30	.4805	.496	.5115	.527	.5425	.558	.5735	.589	.6045	.62	4
40	.6355	.651	.6665	.682	.6975	.713	.7285	.744	.7595	.775	5
50	.7905	.806	.8215	.837	.8525	.868	.8835	.899	.9145	.93	6
60	.9455	.961	.9765	.992	1.0075	1.023	1.0385	1.054	1.0695	1.085	7
70	1.1005	1.116	1.1315	1.147	1.1625	1.178	1.1935	1.209	1.2245	1.24	8
80	1.2555	1.271	1.2865	1.302	1.3175	1.333	1.3485	1.364	1.3795	1.395	9
90	1.4105	1.426	1.4415	1.457	1.4725	1.488	1.5035	1.519	1.5345	1.55	10

$1.575 per 100
$15.75 " 1000
$31.50 " Ton

	.01575	.0315	.04725	.063	.07875	.0945	.11025	.126	.14175	.1575	1
10	.17325	.189	.20475	.2205	.23625	.252	.26775	.2835	.29925	.315	2
20	.33075	.3465	.36225	.378	.39375	.4095	.42525	.441	.45675	.4725	3
30	.48825	.504	.51975	.5355	.55125	.567	.58275	.5985	.61425	.63	4
40	.64575	.6615	.67725	.693	.70875	.7245	.74025	.756	.77175	.7875	5
50	.80325	.819	.83475	.8505	.86625	.882	.89775	.9135	.92925	.945	6
60	.96075	.9765	.99225	1.008	1.02375	1.0395	1.05525	1.071	1.08675	1.1025	7
70	1.11825	1.134	1.14975	1.1655	1.18125	1.197	1.21275	1.2285	1.24425	1.26	8
80	1.27575	1.2915	1.30725	1.323	1.33875	1.3545	1.37025	1.386	1.40175	1.4175	9
90	1.43325	1.449	1.46475	1.4805	1.49625	1.512	1.52775	1.5435	1.55925	1.575	10

$ 1.60 per 100
$16.00 " 1000
$32.00 " Ton

	.016	.032	.048	.064	.08	.096	.112	.128	.144	.16	1
10	.176	.192	.208	.224	.24	.256	.272	.288	.304	.32	2
20	.336	.352	.368	.384	.40	.416	.432	.448	.464	.48	3
30	.496	.512	.528	.544	.56	.576	.592	.608	.624	.64	4
40	.656	.672	.688	.704	.72	.736	.752	.768	.784	.80	5
50	.816	.832	.848	.864	.88	.896	.912	.928	.944	.96	6
60	.976	.992	1.008	1.024	1.04	1.056	1.072	1.088	1.104	1.12	7
70	1.136	1.152	1.168	1.184	1.20	1.216	1.232	1.248	1.264	1.28	8
80	1.296	1.312	1.328	1.344	1.36	1.376	1.392	1.408	1.424	1.44	9
90	1.456	1.472	1.488	1.504	1.52	1.536	1.552	1.568	1.584	1.60	10

See explanation on page 222.

$1.625 per 100
$16.25 " 1000
$32.50 " Ton

1.	2	3	4	5	6	7	8	9	10	
.01625	.0325	.04875	.065	.08125	.0975	.11375	.13	.14625	.1625	**10**
.17875	.195	.21125	.2275	.24375	.26	.27625	.2925	.30875	.325	**20**
.34125	.3575	.37375	.39	.40625	.4225	.43875	.455	.47125	.4875	**30**
.50375	.52	.53625	.5525	.56875	.585	.60125	.6175	.63375	.65	**40**
.66625	.6825	.69875	.715	.73125	.7475	.76375	.78	.79625	.8125	**50**
.82875	.845	.86125	.8775	.89375	.91	.92625	.9425	.95875	.975	**60**
99125	1.0075	1.02375	1.04	1.05625	1.0725	1.08875	1.105	1.12125	1.1375	**70**
1.15375	1.17	1.18625	1.2025	1.21875	1.235	1.25125	1.2675	1.28375	1.30	**80**
1.31625	1.3325	1.34875	1.365	1.38125	1.3975	1.41375	1.43	1.44625	1.4625	**90**
1.47875	1.495	1.51125	1.5275	1.54375	1.56	1.57625	1.5925	1.60875	1.625	**100**

$ 1.65 per 100
$16.50 " 1000
$33.00 " Ton

.0165	.033	.0495	.066	.0825	.099	.1155	.132	.1485	.165	**10**
.1815	.198	.2145	.231	.2475	.264	.2805	.297	.3135	.33	**20**
.3465	.363	.3795	.396	.4125	.429	.4455	.462	.4785	.495	**30**
.5115	.528	.5445	.561	.5775	.594	.6105	.627	.6435	.66	**40**
.6765	.693	.7095	.726	.7425	.759	.7755	.792	.8085	.825	**50**
.8415	.858	.8745	.891	.9075	.924	.9405	.957	.9735	.99	**60**
1.0065	1.023	1.0395	1.056	1.0725	1.089	1.1055	1.122	1.1385	1.155	**70**
1.1715	1.188	1.2045	1.221	1.2375	1 254	1.2705	1.287	1.3035	1.32	**80**
1.3365	1.353	1.3695	1.386	1.4025	1.419	1.4355	1.452	1.4685	1.485	**90**
1.5015	1.518	1.5345	1.551	1.5675	1.584	1.6005	1.617	1.6335	1.65	**100**

$1.675 per 100
$16.75 " 1000
$33.50 " Ton

.01675	.0335	.05025	.067	.08375	.1005	.11725	.134	.15075	.1675	**10**
.18425	.201	.21775	.2345	.25125	.268	.28475	.3015	.31825	.335	**20**
.35175	.3685	.38525	.402	.41875	.4355	.45225	.469	.48575	.5025	**30**
.51925	.536	.55275	.5695	.58625	.603	.61975	.6365	.65325	.67	**40**
.68675	.7035	.72025	.737	.75375	.7705	.78725	.804	.82075	.8375	**50**
.85425	.871	.88775	.9045	.92125	.938	.95475	.9715	.98825	1.005	**60**
1.02175	1.0385	1.05525	1.072	1.08875	1.1055	1.12225	1.139	1.15575	1.1725	**70**
1.18925	1.206	1.22275	1.2395	1.25625	1.273	1.28975	1.3065	1.32325	1.34	**80**
1.35675	1.3735	1.39025	1.407	1.42375	1.4405	1.45725	1.474	1.49075	1.5075	**90**
1.52425	1.541	1.55775	1.5745	1.59125	1.608	1.62475	1.6415	1.65825	1.675	**100**

$ 1.70 per 100
$17.00 " 1000
$34.00 " Ton

.017	.034	.051	.068	.085	.102	.119	.136	.153	.17	**10**
.187	.204	.221	.238	.255	.272	.289	.306	.323	.34	**20**
.357	.374	.391	.408	.425	.442	.459	.476	.493	.51	**30**
.527	.544	.561	.578	.595	.612	.629	.646	.663	.68	**40**
.697	.714	.731	.748	.765	.782	.799	.816	.833	.85	**50**
.867	.884	.901	.918	.935	.952	.969	.986	1.003	1.02	**60**
1.037	1.054	1.071	1.088	1.105	1.122	1.139	1.156	1.173	1.19	**70**
1.207	1.224	1.241	1.258	1.275	1.292	1.309	1.326	1.343	1.36	**80**
1.377	1.394	1.411	1.428	1.445	1.462	1.479	1.496	1.513	1.53	**90**
1.547	1.564	1.581	1.598	1.615	1.632	1.649	1.666	1.683	1.70	**100**

$1.725 per 100
$17.25 " 1000
$34.50 " Ton

	1	2	3	4	5	6	7	8	9	10
	.01725	.0345	.05175	.069	.08625	.1035	1.2075	.138	.15525	.1725
10	.18975	.207	.22425	.2415	.25875	.276	.29325	.3105	.32775	.345
20	.36225	.3795	.39675	.414	.43125	.4485	.46575	.483	.50025	.5175
30	.53475	.552	.56925	.5865	.60375	.621	.63825	.6555	.67275	.69
40	.70725	.7245	.74175	.759	.77625	.7935	.81075	.828	.84525	.8625
50	.87975	.897	.91425	.9315	.94875	.966	.98325	1.0005	1.01775	1,035
60	1.05225	1.0695	1.08675	1.104	1.12125	1.1385	1.15575	1.173	1.19025	1.2075
70	1.22475	1.242	1.25925	1.2765	1.29375	1.311	1.32825	1.3455	1.36275	1.38
80	1.39725	1.4145	1.43175	1.449	1.46625	1.4835	1.50075	1.518	1.53525	1.5525
90	1.56975	1.587	1.60425	1.6215	1.63875	1.656	1.67325	1.6905	1.70775	1.725

$ 1.75 per 100
$17.50 " 1000
$35.00 " Ton

	.0175	.035	.0525	.07	.0875	.105	.1225	.14	.1575	.175
10	.1925	.21	.2275	.245	.2625	.28	.2975	.315	.3325	.35
20	.3675	.385	.4025	.42	.4375	.455	.4725	.49	.5075	.525
30	.5425	.56	.5775	.595	.6125	.63	.6475	.665	.6825	.70
40	.7175	.735	.7525	.77	.7875	.805	.8225	.84	.8575	.875
50	.8925	.91	.9275	.945	.9625	.98	.9975	1.015	1.0325	1.05
60	1.0675	1.085	1.1025	1.12	1.1375	1.155	1.1725	1.19	1.2075	1.225
70	1.2425	1.26	1.2775	1.295	1.3125	1.33	1.3475	1.365	1.3825	1.40
80	1.4175	1.435	1.4525	1.47	1.4875	1.505	1.5225	1.54	1.5575	1.575
90	1.5925	1.61	1.6275	1.645	1.6625	1.68	1.6975	1.715	1.7325	1.75

$1.775 per 100
$17.75 " 1000
$35.50 " Ton

	.01775	.0355	.05325	.071	.08875	.1065	.12425	.142	.15975	.1775
10	.19525	.213	.23075	.2485	.26625	.284	.30175	.3195	.33725	.355
20	.37275	.3905	.40825	.426	.44375	.4615	.47925	.497	.51475	.5325
30	.55025	.568	.58575	.6035	.62125	.639	.65675	.6745	.69225	.71
40	.72775	.7455	.76325	.781	.79875	.8165	.83425	.852	.86975	.8875
50	.90525	.923	.94075	.9585	.97625	.994	1.01175	1.0295	1.04725	1.065
60	1.08275	1.1005	1.11825	1.136	1.15375	1.1715	1.18925	1.207	1.22475	1.2425
70	1.26025	1.278	1.29575	1.3135	1.33125	1.349	1.36675	1.3845	1.40225	1.42
80	1.43775	1.4555	1.47325	1.491	1.50875	1.5265	1.54425	1.562	1.57975	1.5975
90	1.61525	1.633	1.65075	1.6685	1.68625	1.704	1.72175	1.7395	1.75725	1.775

$ 1.80 per 100
$18.00 " 1000
$36.00 " Ton

	.018	.036	.054	.072	.09	.108	.126	.144	.162	.18
10	.198	.216	.234	.252	.27	.288	.306	.324	.342	.36
20	.378	.396	.414	.432	.45	.468	.486	.504	.522	.54
30	.558	.576	.594	.612	.63	.648	.666	.684	.702	.72
40	.738	.756	.774	.792	.81	.828	.846	.864	.882	.90
50	.918	.936	.954	.972	.99	1.008	1.026	1.044	1.062	1.08
60	1.098	1.116	1.134	1.152	1.17	1.188	1.206	1.224	1.242	1.26
70	1.278	1.296	1.314	1.332	1.35	1.368	1.386	1.404	1.422	1.44
80	1.458	1.476	1.494	1.512	1.53	1.548	1.566	1.584	1.602	1.62
90	*1.638*	*1.656*	*1.674*	1.692	1.71	1.728	1.746	1.764	1.782	1.80

See explanation on page 222.

$1.825 per 100
$18.25 " 1000
$36.50 " Ton

1	2	3	4	5	6	7	8	9	10	
1825	.0365	.05475	.073	.09125	.1095	.12775	.146	.16425	.1825	10
0075	.219	.23725	.2555	.27375	.292	.31025	.3285	.34675	.365	20
8325	.4015	.41975	.438	.45625	.4745	.49275	.511	.52925	.5475	30
6575	.584	.60225	.6205	.63875	.657	.67525	.6935	.71175	.73	40
4825	.7665	.78475	.803	.82125	.8395	.85775	.876	.89425	.9125	50
3075	.949	.96725	.9855	1.00375	1.022	1.04025	1.0585	1.07675	1.095	60
.1325	1.1315	1.14975	1.168	1.18625	1.2045	1.22275	1.241	1.25925	1.2775	70
9575	1.314	1.33225	1.3505	1.36875	1.387	1.40525	1.4235	1.44175	1.46	80
7825	1.4965	1.51475	1.533	1.55125	1.5695	1.58775	1.606	1.62425	1.6425	90
6075	1.679	1.69725	1.7155	1.73375	1.752	1.77025	1.7885	1.80675	1.825	100

$1.85 per 100
$18.50 " 1000
$37.00 " Ton

185	.037	.0555	.074	.0925	.111	.1295	.148	.1665	.185	10
035	.222	.2405	.259	.2775	.296	.3145	.333	.3515	.37	20
885	.407	.4255	.444	.4625	.481	.4995	.518	.5365	.555	30
735	.592	.6105	.629	.6475	.666	.6845	.703	.7215	.74	40
585	.777	.7955	.814	.8325	.851	.8695	.888	.9065	.925	50
435	.962	.9805	.999	1.0175	1.036	1.0545	1.073	1.0915	1.11	60
1285	1.147	1.1655	1.184	1.2025	1.221	1.2395	1.258	1.2765	1.295	70
135	1.332	1.3505	1.369	1.3875	1.406	1.4245	1.443	1.4615	1.48	80
985	1.517	1.5355	1.554	1.5725	1.591	1.6095	1.628	1.6465	1.665	90
835	1.702	1.7205	1.739	1.7575	1.776	1.7945	1.813	1.8315	1.85	100

$1.875 per 100
$18.75 " 1000
$37.50 " Ton

1875	.0375	.05625	.075	.09375	.1125	.13125	.15	.16875	.1875	10
20625	.225	.24375	.2625	.28125	.30	.31875	.3375	.35625	.375	20
9375	.4125	.43125	.45	.46875	.4875	.50625	.525	.54375	.5625	30
8125	.60	.61875	.6375	.65625	.675	.69375	.7125	.73125	.75	40
6875	.7875	.80625	.825	.84375	.8625	.88125	.90	.91875	.9375	5
5625	.975	.99375	1.0125	1.03125	1.05	1.06875	1.0875	1.10625	1.125	6
4375	1.1625	1.18125	1.20	1.21875	1.2375	1.25625	1.275	1.29375	1.3125	7
3125	1.35	1.36875	1.3875	1.40625	1.425	1.44375	1.4625	1.48125	1.50	8
1875	1.5375	1.55625	1.575	1.59375	1.6125	1.63125	1.65	1.66875	1.6875	9
0625	1.725	1.74375	1.7625	1.78125	1.80	1.81875	1.8375	1.85625	1.875	1

$1.90 per 100
$19.00 " 1000
$38.00 " Ton

.019	.038	.057	.076	.095	.114	.133	.152	.171	.19	10
.209	.228	.247	.266	.285	.304	.323	.342	.361	.38	20
.399	.418	.437	.456	.475	.494	.513	.532	.551	.57	30
.589	.608	.627	.646	.665	.684	.703	.722	.741	.76	40
.779	.798	.817	.836	.855	.874	.893	.912	.931	.95	50
.969	.988	1.007	1.026	1.045	1.064	1.083	1.102	1.121	1.14	60
.159	1.178	1.197	1.216	1.235	1.254	1.273	1.292	1.311	1.33	70
.349	1.368	1.387	1.406	1.425	1.444	1.463	1.482	1.501	1.52	80
.539	1.558	1.577	1.596	1.615	1.634	1.653	1.672	1.691	1.71	90
.729	1.748	1.767	1.786	1.805	1.824	1.843	1.862	1.881	1.90	100

explanation on page 222.

$1.925 per 100
$19.25 " 1000
$38.50 " Ton

	1	2	3	4	5	6	7	8	9	10
	.01925	.0385	.05775	.077	.09625	.1155	.13475	.154	.17325	.1925
10	.21175	.231	.25025	.2695	.28875	.308	.32725	.3465	.36575	.385
20	.40425	.4235	.44275	.462	.48125	.5005	.51975	.539	.55825	.5775
30	.59675	.616	.63525	.6545	.67375	.693	.71225	.7315	.75075	.77
40	.78925	.8085	.82775	.847	.86625	.8855	.90475	.924	.94325	.9625
50	.98175	1.001	1.02025	1.0395	1.05875	1.078	1.09725	1.1165	1.13575	1.155
60	1.17425	1.1935	1.21275	1.232	1.25125	1.2705	1.28975	1.309	1.32825	1.3475
70	1.36675	1.386	1.40525	1.4245	1.44375	1.463	1.48225	1.5015	1.52075	1.54
80	1.55925	1.5785	1.59775	1.617	1.63625	1.6555	1.67475	1.694	1.71325	1.7325
90	1.75175	1.771	1.79025	1.8095	1.82875	1.848	1.86725	1.8865	1.90575	1.925

$ 1.95 per 100
$19.50 " 1000
$39.00 " Ton

	.0195	.039	.0585	.078	.0975	.117	.1365	.156	.1755	.195
10	.2145	.234	.2535	.273	.2925	.312	.3315	.351	.3705	.39
20	.4095	.429	.4485	.468	.4875	.507	.5265	.546	.5655	.585
30	.6045	.624	.6435	.663	.6825	.702	.7215	.741	.7605	.78
40	.7995	.819	.8385	.858	.8775	.897	.9165	.936	.9555	.975
50	.9945	1.014	1.0335	1.053	1.0725	1.092	1.1115	1.131	1.1505	1.17
60	1.1895	1.209	1.2285	1.248	1.2675	1.287	1.3065	1.326	1.3455	1.365
70	1.3845	1.404	1.4235	1.443	1.4625	1.482	1.5015	1.521	1.5405	1.56
80	1.5795	1.599	1.6185	1.638	1.6575	1.677	1.6965	1.716	1.7355	1.755
90	1.7745	1.794	1.8135	1.833	1.8525	1.872	1.8915	1.911	1.9305	1.95

$1.975 per 100
$19.75 " 1000
$39.50 " Ton

	.01975	.0395	.05925	.079	.09875	.1185	.13825	.158	.17775	.1975
10	.21725	.237	.25675	.2765	.29625	.316	.33575	.3555	.37525	.395
20	.41475	.4345	.45425	.474	.49375	.5135	.53325	.553	.57275	.5925
30	.61225	.632	.65175	.6715	.69125	.711	.73075	.7505	.77025	.79
40	.80975	.8295	.84925	.869	.88875	.9085	.92825	.948	.96775	.9875
50	1.00725	1.027	1.04675	1.0665	1.08625	1.106	1.12575	1.1455	1.16525	1.185
60	1.20475	1.2245	1.24425	1.264	1.28375	1.3035	1.32325	1.343	1.36275	1.3825
70	1.40225	1.422	1.44175	1.4615	1.48125	1.501	1.52075	1.5405	1.56025	1.58
80	1.59975	1.6195	1.63925	1.659	1.67875	1.6985	1.71825	1.738	1.75775	1.7775
90	1.79725	1.817	1.83675	1.8565	1.87625	1.896	1.91575	1.9355	1.95525	1.975

$ 2.00 per 100
$20.00 " 1000
$40.00 " Ton

	.02	.04	.06	.08	.10	.12	.14	.16	.18	.20
10	.22	.24	.26	.28	.30	.32	.34	.36	.38	.40
20	.42	.44	.46	.48	.50	.52	.54	.56	.58	.60
30	.62	.64	.66	.68	.70	.72	.74	.76	.78	.80
40	.82	.84	.86	.88	.90	.92	.94	.96	.98	1.00
50	1.02	1.04	1.06	1.08	1.10	1.12	1.14	1.16	1.18	1.20
60	1.22	1.24	1.26	1.28	1.30	1.32	1.34	1.36	1.38	1.40
70	1.42	1.44	1.46	1.48	1.50	1.52	1.54	1.56	1.58	1.60
8	1.62	1.64	1.66	1.68	1.70	1.72	1.74	1.76	1.78	1.80
9	*1.82*	*1.84*	1.86	1.88	1.90	1.92	1.94	1.96	1.98	2.00

***explanation* on page 222.**

.01 per 100
.10 " 1000
.20 " Ton

	1	2	3	4	5	6	7	8	9	10	
	.0001	.0002	.0003	.0004	.0005	.0006	.0007	.0008	.0009	.001	10
10	.0011	.0012	.0013	.0014	.0015	.0016	.0017	.0018	.0019	.002	20
20	.0021	.0022	.0023	.0024	.0025	.0026	.0027	.0028	.0029	.003	30
30	.0031	.0032	.0033	.0034	.0035	.0036	.0037	.0038	.0039	.004	40
40	.0041	.0042	.0043	.0044	.0045	.0046	.0047	.0048	.0049	.005	50
50	.0051	.0052	.0053	.0054	.0055	.0056	.0057	.0058	.0059	.006	60
60	.0061	.0062	.0063	.0064	.0065	.0066	.0067	.0068	.0069	.007	70
70	.0071	.0072	.0073	.0074	.0075	.0076	.0077	.0078	.0079	.008	80
80	.0081	.0082	.0083	.0084	.0085	.0086	.0087	.0088	.0089	.009	90
90	.0091	.0092	.0093	.0094	.0095	.0096	.0097	.0098	.0099	.01	100

.02 per 100
.20 " 1000
.40 " Ton

	.0002	.0004	.0006	.0008	.001	.0012	.0014	.0016	.0018	.002	10
10	.0022	.0024	.0026	.0028	.003	.0032	.0034	.0036	.0038	.004	20
20	.0042	.0044	.0046	.0048	.005	.0052	.0054	.0056	.0058	.006	30
30	.0062	.0064	.0066	.0068	.007	.0072	.0074	.0076	.0078	.008	40
40	.0082	.0084	.0086	.0088	.009	.0092	.0094	.0096	.0098	.01	50
50	.0102	.0104	.0106	.0108	.011	.0112	.0114	.0116	.0118	.012	60
60	.0122	.0124	.0126	.0128	.013	.0132	.0134	.0136	.0138	.014	70
70	.0142	.0144	.0146	.0148	.015	.0152	.0154	.0156	.0158	.016	80
80	.0162	.0164	.0166	.0168	.017	.0172	.0174	.0176	.0178	.018	90
90	.0182	.0184	.0186	.0188	.019	.0192	.0194	.0196	.0198	.02	100

.03 per 100
.30 " 1000
.60 " Ton

	.0003	.0006	.0009	.0012	.0015	.0018	.0021	.0024	.0027	.003	10
10	.0033	.0036	.0039	.0042	.0045	.0048	.0051	.0054	.0057	.006	20
20	.0063	.0066	.0069	.0072	.0075	.0078	.0081	.0084	.0087	.009	30
30	.0093	.0096	.0099	.0102	.0105	.0108	.0111	.0114	.0117	.012	40
40	.0123	.0126	.0129	.0132	.0135	.0138	.0141	.0144	.0147	.015	50
50	.0153	.0156	.0159	.0162	.0165	.0168	.0171	.0174	.0177	.018	60
60	.0183	.0186	.0189	.0192	.0195	.0198	.0201	.0204	.0207	.021	70
70	.0213	.0216	.0219	.0222	.0225	.0228	.0231	.0234	.0237	.024	80
80	.0243	.0246	.0249	.0252	.0255	.0258	.0261	.0264	.0267	.027	90
90	.0273	.0276	.0279	.0282	.0285	.0288	.0291	.0294	.0297	.03	100

.04 per 100
.40 " 1000
.80 " Ton

	.0004	.0008	.0012	.0016	.002	.0024	.0028	.0032	.0036	.004	10
10	.0044	.0048	.0052	.0056	.006	.0064	.0068	.0072	.0076	.008	20
20	.0084	.0088	.0092	.0096	.01	.0104	.0108	0112	.0116	.012	30
30	.0124	.0128	.0132	.0136	.014	.0144	.0148	.0152	.0156	.016	40
40	.0164	.0168	.0172	.0176	.018	.0184	.0188	.0192	.0196	.02	50
50	.0204	.0208	.0212	.0216	.022	.0224	.0228	.0232	.0236	.024	60
60	.0244	.0248	.0252	.0256	.026	.0264	.0268	.0272	.0276	.028	70
70	.0284	.0288	.0292	.0296	.03	.0304	.0308	.0312	.0316	.032	80
80	.0324	.0328	.0332	.0336	.034	.0344	.0348	.0352	.0356	.036	90
90	.0364	.0368	.0372	.0376	.038	.0384	.0388	.0392	.0396	.04	100

See explanation on page 222.

.05 per 100
.50 " 1000
$1.00 " Ton

	1	2	3	4	5	6	7	8	9	10	
	.0005	.001	.0015	.002	.0025	.003	.0035	.004	.0045	.005	**10**
10	.0055	.006	.0065	.007	.0075	.008	.0085	.009	.0095	.01	**20**
20	.0105	.011	.0115	.012	.0125	.013	.0135	.014	.0145	.015	**30**
30	.0155	.016	.0165	.017	.0175	.018	.0185	.019	.0195	.02	**40**
40	.0205	.021	.0215	.022	.0225	.023	.0235	.024	.0245	.025	**50**
50	.0255	.026	.0265	.027	.0275	.028	.0285	.029	.0295	.03	**60**
60	.0305	.031	.0315	.032	.0325	.033	.0335	.034	.0345	.035	**70**
70	.0355	.036	.0365	.037	.0375	.038	.0385	.039	.0395	.04	**80**
80	.0405	.041	.0415	.042	.0425	.043	.0435	.044	.0445	.045	**90**
90	.0455	.046	.0465	.047	.0475	.048	.0485	.049	.0495	.05	**100**

.06 per 100
.60 " 1000
$1.20 " Ton

	.0006	.0012	.0018	.0024	.003	.0036	.0042	.0048	.0054	.006	**10**
10	.0066	.0072	.0078	.0084	.009	.0096	.0102	.0108	.0114	.012	**20**
20	.0126	.0132	.0138	.0144	.015	.0156	.0162	.0168	.0174	.018	**30**
30	.0186	.0192	.0198	.0204	.021	.0216	.0222	.0228	.0234	.024	**40**
40	.0246	.0252	.0258	.0264	.027	.0276	.0282	.0288	.0294	.03	**50**
50	.0306	.0312	.0318	.0324	.033	.0336	.0342	.0348	.0354	.036	**60**
60	.0366	.0372	.0378	.0384	.039	.0396	.0402	.0408	.0414	.042	**70**
70	.0426	.0432	.0438	.0444	.045	.0456	.0462	.0468	.0474	.048	**80**
80	.0486	.0492	.0498	.0504	.051	.0516	.0522	.0528	.0534	.054	**90**
90	.0546	.0552	.0558	.0564	.057	.0576	.0582	.0588	.0594	.06	**100**

.07 per 100
.70 " 1000
$1.40 " Ton

	.0007	.0014	.0021	.0028	.0035	.0042	.0049	.0056	.0063	.007	**10**
10	.0077	.0084	.0091	.0098	.0105	.0112	.0119	.0126	.0133	.014	**20**
20	.0147	.0154	.0161	.0168	.0175	.0182	.0189	.0196	.0203	.021	**30**
30	.0217	.0224	.0231	.0238	.0245	.0252	.0259	.0266	.0273	.028	**40**
40	.0287	.0294	.0301	.0308	.0315	.0322	.0329	.0336	.0343	.035	**50**
50	.0357	.0364	.0371	.0378	.0385	.0392	.0399	.0406	.0413	.042	**60**
60	.0427	.0434	.0441	.0448	.0455	.0462	.0469	.0476	.0483	.049	**70**
70	.0497	.0504	.0511	.0518	.0525	.0532	.0539	.0546	.0553	.056	**80**
80	.0567	.0574	.0581	.0588	.0595	.0602	.0609	.0616	.0623	.063	**90**
90	.0637	.0644	.0651	.0658	.0665	.0672	.0679	.0686	.0693	.07	**100**

.08 per 100
.80 " 1000
$1.60 " Ton

	.0008	.0016	.0024	.0032	.004	.0048	.0056	.0064	.0072	.008	**10**
10	.0088	.0096	.0104	.0112	.012	.0128	.0136	.0144	.0152	.016	**20**
20	.0168	.0176	.0184	.0192	.02	.0208	.0216	.0224	.0232	.024	**30**
30	.0248	.0256	.0264	.0272	.028	.0288	.0296	.0304	.0312	.032	**40**
40	.0328	.0336	.0344	.0352	.036	.0368	.0376	.0384	.0392	.04	**50**
50	.0408	.0416	.0424	.0432	.044	.0448	.0456	.0464	.0472	.048	**60**
60	.0488	.0496	.0504	.0512	.052	.0528	.0536	.0544	.0552	.056	**70**
70	.0568	.0576	.0584	.0592	.06	.0608	.0616	.0624	.0632	.064	**80**
80	.0648	.0656	.0664	.0672	.068	.0688	.0696	.0704	.0712	.072	**90**
90	.0728	.0736	.0744	.0752	.076	.0768	.0776	.0784	.0792	.08	**100**

See explanation on page 222.

$ .09 per 100
$ .90 " 1000
$1.80 " Ton

	1	2	3	4	5	6	7	8	9	10	
	.0009	.0018	.0027	.0036	.0045	.0054	.0063	.0072	.0081	.009	10
10	.0099	.0108	.0117	.0126	.0135	.0144	.0153	.0162	.0171	.018	20
20	.0189	.0198	.0207	.0216	.0225	.0234	.0243	.0252	.0261	.027	30
30	.0279	.0288	.0297	.0306	.0315	.0324	.0333	.0342	.0351	.036	40
40	.0369	.0378	.0387	.0396	.0405	.0414	.0423	.0432	.0441	.045	50
50	.0459	.0468	.0477	.0486	.0495	.0504	.0513	.0522	.0531	.054	60
60	.0549	.0558	.0567	.0576	.0585	.0594	.0603	.0612	.0621	.063	70
70	.0639	.0648	.0657	.0666	.0675	.0684	.0693	.0702	.0711	.072	80
80	.0729	.0738	.0747	.0756	.0765	.0774	.0783	.0792	.0801	.081	90
90	.0819	.0828	.0837	.0846	.0855	.0864	.0873	.0882	.0891	.09	100

$ .10 per 100
$1.00 " 1000
$2.00 " Ton

	.001	.002	.003	.004	.005	.006	.007	.008	.009	.01	10
10	.011	.012	.013	.014	.015	.016	.017	.018	.019	.02	20
20	.021	.022	.023	.024	.025	.026	.027	.028	.029	.03	30
30	.031	.032	.033	.034	.035	.036	.037	.038	.039	.04	40
40	.041	.042	.043	.044	.045	.046	.047	.048	.049	.05	50
50	.051	.052	.053	.054	.055	.056	.057	.058	.059	.06	60
60	.061	.062	.063	.064	.065	.066	.067	.068	.069	.07	70
70	.071	.072	.073	.074	.075	.076	.077	.078	.079	.08	80
80	.081	.082	.083	.084	.085	.086	.087	.088	.089	.09	90
90	.091	.092	.093	.094	.095	.096	.097	.098	.099	.10	100

$ .20 per 100
$2.00 " 1000
$4.00 " Ton

	.002	.004	.006	.008	.01	.012	.014	.016	.018	.02	10
10	.022	.024	.026	.028	.03	.032	.034	.036	.038	.04	20
20	.042	.044	.046	.048	.05	.052	.054	.056	.058	.06	30
30	.062	.064	.066	.068	.07	.072	.074	.076	.078	.08	40
40	.082	.084	.086	.088	.09	.092	.094	.096	.098	.10	50
50	.102	.104	.106	.108	.11	.112	.114	.116	.118	.12	60
60	.122	.124	.126	.128	.13	.132	.134	.136	.138	.14	70
70	.142	.144	.146	.148	.15	.152	.154	.156	.158	.16	80
80	.162	.164	.166	.168	.17	.172	.174	.176	.178	.18	90
90	.182	.184	.186	.188	.19	.192	.194	.196	.198	.20	100

$ .30 per 100
$3.00 " 1000
$6.00 " Ton

	.003	.006	.009	.012	.015	.018	.021	.024	.027	.03	10
10	.033	.036	.039	.042	.045	.048	.051	.054	.057	.06	20
20	.063	.066	.069	.072	.075	.078	.081	.084	.087	.09	30
30	.093	.096	.099	.102	.105	.108	.111	.114	.117	.12	40
40	.123	.126	.129	.132	.135	.138	.141	.144	.147	.15	50
50	.153	.156	.159	.162	.165	.168	.171	.174	.177	.18	60
60	.183	.186	.189	.192	.195	.198	.201	.204	.207	.21	70
70	.213	.216	.219	.222	.225	.228	.231	.234	.237	.24	80
80	.243	.246	.249	.252	.255	.258	.261	.264	.267	.27	90
90	.273	.276	.279	.282	.285	.288	.291	.294	.297	.30	100

See explanation on page 222.

$ .40 per 100
$4.00 " 1000
$8.00 " Ton

	1	2	3	4	5	6	7	8	9	10	
	.004	.008	.012	.016	.02	.024	.028	.032	.036	.04	10
10	.044	.048	.052	.056	.06	.064	.068	.072	.076	.08	20
20	.084	.088	.092	.096	.10	.104	.108	.112	.116	.12	30
30	.124	.128	.132	.136	.14	.144	.148	.152	.156	.16	40
40	.164	.168	.172	.176	.18	.184	.188	.192	.196	.20	50
50	.204	.208	.212	.216	.22	.224	.228	.232	.236	.24	60
60	.244	.248	.252	.256	.26	.264	.268	.272	.276	.28	70
70	.284	.288	.292	.296	.30	.304	.308	.312	.316	.32	80
80	.324	.328	.332	.336	.34	.344	.348	.352	.356	.36	90
90	.364	.368	.372	.376	.38	.384	.388	.392	.396	.40	100

$ .50 per 100
$ 5.00 " 1000
$10.00 " Ton

	.005	.01	.015	.02	.025	.03	.035	.04	.045	.05	10
10	.055	.06	.065	.07	.075	.08	.085	.09	.095	.10	20
20	.105	.11	.115	.12	.125	.13	.135	.14	.145	.15	30
30	.155	.16	.165	.17	.175	.18	.185	.19	.195	.20	40
40	.205	.21	.215	.22	.225	.23	.235	.24	.245	.25	50
50	.255	.26	.265	.27	.275	.28	.285	.29	.295	.30	60
60	.305	.31	.315	.32	.325	.33	.335	.34	.345	.35	70
70	.355	.36	.365	.37	.375	.38	.385	.39	.395	.40	80
80	.405	.41	.415	.42	.425	.43	.435	.44	.445	.45	90
90	.455	.46	.465	.47	.475	.48	.485	.49	.495	.50	100

$ .60 per 100
$ 6.00 " 1000
$12.00 " Ton

	.006	.012	.018	.024	.03	.036	.042	.048	.054	.06	10
10	.066	.072	.078	.084	.09	.096	.102	.108	.114	.12	20
20	.126	.132	.138	.144	.15	.156	.162	.168	.174	.18	30
30	.186	.192	.198	.204	.21	.216	.222	.228	.234	.24	40
40	.246	.252	.258	.264	.27	.276	.282	.288	.294	.30	50
50	.306	.312	.318	.324	.33	.336	.342	.348	.354	.36	60
60	.366	.372	.378	.384	.39	.396	.402	.408	.414	.42	70
70	.426	.432	.438	.444	.45	.456	.462	.468	.474	.48	80
80	.486	.492	.498	.504	.51	.516	.522	.528	.534	.54	90
90	.546	.552	.558	.564	.57	.576	.582	.588	.594	.60	100

$ .70 per 100
$ 7.00 " 1000
$14.00 " Ton

	.007	.014	.021	.028	.035	.042	.049	.056	.063	.07	10
10	.077	.084	.091	.098	.105	.112	.119	.126	.133	.14	20
20	.147	.154	.161	.168	.175	.182	.189	.196	.203	.21	30
30	.217	.224	.231	.238	.245	.252	.259	.266	.273	.28	40
40	.287	.294	.301	.308	.315	.322	.329	.336	.343	.35	50
50	.357	.364	.371	.378	.385	.392	.399	.406	.413	.42	60
60	.427	.434	.441	.448	.455	.462	.469	.476	.483	.49	70
70	.497	.504	.511	.518	.525	.532	.539	.546	.553	.56	80
80	.567	.574	.581	.588	.595	.602	.609	.616	.623	.63	90
90	.637	.644	.651	.658	.665	.672	.679	.686	.693	.70	100

See explanation on page 222.

$ .80 per 100
$ 8.00 " 1000
$16.00 " Ton

	1	2	3	4	5	6	7	8	9	10	
	.008	.016	.024	.032	.04	.048	.056	.064	.072	.08	10
10	.088	.096	.104	.112	.12	.128	.136	.144	.152	.16	20
20	.168	.176	.184	.192	.20	.208	.216	.224	.232	.24	30
30	.248	.256	.264	.272	.28	.288	.296	.304	.312	.32	40
40	.328	.336	.344	.352	.36	.368	.376	.384	.392	.40	50
50	.408	.416	.424	.432	.44	.448	.456	.464	.472	.48	60
60	.488	.496	.504	.512	.52	.528	.536	.544	.552	.56	70
70	.568	.576	.584	.592	.60	.608	.616	.624	.632	.64	80
80	.648	.656	.664	.672	.68	.688	.696	.704	.712	.72	90
90	.728	.736	.744	.752	.76	.768	.776	.784	.792	.80	100

$ .90 per 100
$ 9.00 " 1000
$18.00 " Ton

	.009	.018	.027	.036	.045	.054	.063	.072	.081	.09	10
10	.099	.108	.117	.126	.135	.144	.153	.162	.171	.18	20
20	.189	.198	.207	.216	.225	.234	.243	.252	.261	.27	30
30	.279	.288	.297	.306	.315	.324	.333	.342	.351	.36	40
40	.369	.378	.387	.396	.405	.414	.423	.432	.441	.45	50
50	.459	.468	.477	.486	.495	.504	.513	.522	.531	.54	60
60	.549	.558	.567	.576	.585	.594	.603	.612	.621	.63	70
70	.639	.648	.657	.666	.675	.684	.693	.702	.711	.72	80
80	.729	.738	.747	.756	.765	.774	.783	.792	.801	.81	90
90	.819	.828	.837	.846	.855	.864	.873	.882	.891	.90	100

$ .25 per 100
$2.50 " 1000
$5.00 " Ton

	.0025	.005	.0075	.01	.0125	.015	.0175	.02	.0225	.025	10
10	.0275	.03	.0325	.035	.0375	.04	.0425	.045	0475	.05	20
20	.0525	.055	.0575	.06	.0625	.065	.0675	.07	.0725	.075	30
30	.0775	.08	.0825	.085	.0875	.09	.0925	.095	.0975	.10	40
40	.1025	.105	.1075	.110	.1125	.115	.1175	.12	.1225	.125	50
50	.1275	.13	.1325	.135	.1375	.14	.1425	.145	.1475	.15	60
60	.1525	.155	.1575	.16	.1625	.165	.1675	.17	.1725	.175	70
70	.1775	.18	.1825	.185	.1875	.19	.1925	.195	.1975	.20	80
80	.2025	.205	.2075	.21	.2125	.215	.2175	.22	.2225	.225	90
90	.2275	.23	.2325	.235	.2375	.24	.2425	.245	.2475	.25	100

$ .75 per 100
$ 7.50 " 1000
$15.00 " Ton

	.0075	.015	.0225	.03	.0375	.045	.0525	.06	.0675	.075	10
10	.0825	.09	.0975	.105	.1125	.12	.1275	.135	.1425	.15	20
20	.1575	.165	.1725	.18	.1875	.195	.2025	.21	.2175	.225	30
30	.2325	.24	.2475	.255	.2625	.27	.2775	.285	.2925	.30	40
40	.3075	.315	.3225	.33	.3375	.345	.3525	.36	.3675	.375	50
50	.3825	.39	.3975	.405	.4125	.42	.4275	.435	.4425	.45	60
60	.4575	.465	.4725	.48	.4875	.495	.5025	.51	.5175	.525	70
70	.5325	.54	.5475	.555	.5625	.57	.5775	.585	.5925	.60	80
80	.6075	.615	.6225	.63	.6375	.645	.6525	.66	.6675	.675	90
90	.6825	.69	.6975	.705	.7125	.72	.7275	.735	.7425	.75	100

See explanation on page 222.

.33⅓ per 100
$3.33⅓ " 1000
$6.66⅔ " Ton

	1	2	3	4	5	6	7	8	9	10	
	.00⅓	.00⅔	.01	.01⅓	.01⅔	.02	.02⅓	.02⅔	.03	.03⅓	**10**
10	.03⅔	.04	.04⅓	.04⅔	.05	.05⅓	.05⅔	.06	.06⅓	.06⅔	**20**
20	.07	.07⅓	.07⅔	.08	.08⅓	.08⅔	.09	.09⅓	.09⅔	.10	**30**
30	.10⅓	.10⅔	.11	.11⅓	.11⅔	.12	.12⅓	.12⅔	.13	.13⅓	**40**
40	.13⅔	.14	.14⅓	.14⅔	.15	.15⅓	.15⅔	.16	.16⅓	.16⅔	**50**
50	.17	.17⅓	.17⅔	.18	.18⅓	.18⅔	.19	.19⅓	.19⅔	.20	**60**
60	.20⅓	.20⅔	.21	.21⅓	.21⅔	.22	.22⅓	.22⅔	.23	.23⅓	**70**
70	.23⅔	.24	.24⅓	.24⅔	.25	.25⅓	.25⅔	.26	.26⅓	.26⅔	**80**
80	.27	.27⅓	.27⅔	.28	.28⅓	.28⅔	.29	.29⅓	.29⅔	.30	**90**
90	.30⅓	.30⅔	.31	.31⅓	.31⅔	.32	.32⅓	.32⅔	.33	.33⅓	**100**

.66⅔ per 100
$ 6.66⅔ " 1000
$13.33⅓ " Ton

	.00⅔	.01⅓	.02	.02⅔	.03⅓	.04	.04⅔	.05⅓	.06	.06⅔	**10**
10	.07⅓	.08	.08⅔	.09⅓	.10	.10⅔	.11⅓	.12	.12⅔	.13⅓	**20**
20	.14	.14⅔	.15⅓	.16	.16⅔	.17⅓	.18	.18⅔	.19⅓	.20	**30**
30	.20⅔	.21⅓	.22	.22⅔	.23⅓	.24	.24⅔	.25⅓	.26	.26⅔	**40**
40	.27⅓	.28	.28⅔	.29⅓	.30	.30⅔	.31⅓	.32	.32⅔	.33⅓	**50**
50	.34	.34⅔	.35⅓	.36	.36⅔	.37⅓	.38	.38⅔	.39⅓	.40	**60**
60	.40⅔	.41⅓	.42	.42⅔	.43⅓	.44	.44⅔	.45⅓	.46	.46⅔	**70**
70	.47⅓	.48	.48⅔	.49⅓	.50	.50⅔	.51⅓	.52	.52⅔	.53⅓	**80**
80	.54	.54⅔	.55⅓	.56	.56⅔	.57⅓	.58	.58⅔	.59⅓	.60	**90**
90	.60⅔	.61⅓	.62	.62⅔	.63⅓	.64	.64⅔	.65⅓	.66	.66⅔	**100**

Explanations for Calendar, Page 239

To find number of days from date in one month to any date in any other month.

EXAMPLE.—To find number of days from February 21 to August 3. By referring to page 239, we find August 3 is the.... ......215th day of the year.
We find February 21 is the.................................. 52d day of the year.

Subtract the earliest date from the later date, and we have 163 days.

From June 24 to September 29.
September 29.... 272d day of the year.
June 24...........175th day of the year.

97 days.

To reduce to months, divide by 30. 30)97(3 months.
90

7 days.

To find for any number of days, count from the left hand margin, thus: 223d day of the year, run down left hand margin to 220, count 8 to the right, or directly opposite 220 in the column for 3. We find August 11 is the 223d day of the year.

A note given May 9, for 100 days, would fall due August 17.
EXAMPLE.—May 9......129th day of the year.
Note for....100 days.

229th day of the year, or August 17.

CALENDAR.

		1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	
	January..	1	2	3	4	5	6	7	8	9	10	**10**
10	"	11	12	13	14	15	16	17	18	19	20	**20**
20	"	21	22	23	24	25	26	27	28	29	30	**30**
30	"	31										
30	Febru'ry		1	2	3	4	5	6	7	8	9	**40**
40	"	10	11	12	13	14	15	16	17	18	19	**50**
50	"	20	21	22	23	24	25	26	27	28		
	March ...										1	**60**
60	"	2	3	4	5	6	7	8	9	10	11	**70**
70	"	12	13	14	15	16	17	18	19	20	21	**80**
80	"	22	23	24	25	26	27	28	29	30	31	**90**
90	April.....	1	2	3	4	5	6	7	8	9	10	**100**
100	"	11	12	13	14	15	16	17	18	19	20	**110**
110	"	21	22	23	24	25	26	27	28	29	30	**120**
120	May	1	2	3	4	5	6	7	8	9	10	**130**
130	"	11	12	13	14	15	16	17	18	19	20	**140**
140	"	21	22	23	24	25	26	27	28	29	30	**150**
150	"	31										
150	June......		1	2	3	4	5	6	7	8	9	**160**
160	"	10	11	12	13	14	15	16	17	18	19	**170**
170	"	20	21	22	23	24	25	26	27	28	29	**180**
180	"	30										
180	July.......		1	2	3	4	5	6	7	8	9	**190**
190	"	10	11	12	13	14	15	16	17	18	19	**200**
200	"	20	21	22	23	24	25	26	27	28	29	**210**
210	"	30	31									
210	August...			1	2	3	4	5	6	7	8	**220**
220	" ...	9	10	11	12	13	14	15	16	17	18	**230**
230	" ...	19	20	21	22	23	24	25	26	27	28	**240**
240	" ...	29	30	31								
240	Sept.......				1	2	3	4	5	6	7	**250**
250	"	8	9	10	11	12	13	14	15	16	17	**260**
260	"	18	19	20	21	22	23	24	25	26	27	**270**
270	"	28	29	30								
270	October.				1	2	3	4	5	6	7	**280**
280	"	8	9	10	11	12	13	14	15	16	17	**290**
290	"	18	19	20	21	22	23	24	25	26	27	**300**
300	"	28	29	30	31							
300	Nov.......					1	2	3	4	5	6	**310**
310	"	7	8	9	10	11	12	13	14	15	16	**320**
320	"	17	18	19	20	21	22	23	24	25	26	**330**
330	"	27	28	29	30							
330	Dec.......					1	2	3	4	5	6	**340**
340	"	7	8	9	10	11	12	13	14	15	16	**350**
350	"	17	18	19	20	21	22	23	24	25	26	**360**
360	"	27	28	29	30	31						

See explanation on page 238.

Interest at 3 per Cent.

	1	2	3	4	5	6	7	8	9	10
	.00008⅓	.00016⅔	.00025	.00033⅓	.00041⅔	.0005	.00058⅓	.00066⅔	.00075	.00083⅓
10	.00091⅔	.001	00108⅓	.00116⅔	.00125	.00133⅓	.00141⅔	.0015	.00158⅓	.00166⅔
20	.00175	.00183⅓	.00191⅔	002	.00208⅓	.00216⅔	.00225	.00233⅓	.00241⅔	.0025
30	.00258⅓	.00266⅔	.00275	.00283⅓	.00291⅔	.003	.00308⅓	.00316⅔	.00325	.00333⅓
40	.00341⅔	.0035	.00358⅓	.00366⅔	.00375	.00383⅓	.00391⅔	.004	.00408⅓	.00416⅔
50	.00425	.00433⅓	.00441⅔	.0045	.00458⅓	.00466⅔	.00475	00483⅓	.00491⅔	.005
60	.00508⅓	.00516⅔	.00525	.00533⅓	.00541⅔	.0055	.00558⅓	.00566⅔	.00575	.00583⅓
70	.00591⅔	.006	.00608⅓	.00616⅔	.00625	.00633⅓	.00641⅔	.0065	.00658⅓	.00666⅔
80	.00675	.00683⅓	.00691⅔	.007	.00708⅓	.00716⅔	.00725	.00733⅓	.00741⅔	.0075
90	.00758⅓	.00766⅔	.00775	.00783⅓	.00791⅔	.008	.00808⅓	.00816⅔	.00825	.00833⅓
100	.00841⅔	.0085	00858⅓	.00866⅔	.00875	.00883⅓	.00891⅔	.009	.00908⅓	.00916⅔
110	.00925	.00933⅓	.00941⅔	.0095	.00958⅓	.00966⅔	.00975	.00983⅓	.00991⅔	.01

Interest at 4 per Cent.

	.00011⅑	.00022$\frac{2}{9}$	.00033⅓	.00044$\frac{4}{9}$	.00055$\frac{5}{9}$	.00066⅔	.00077$\frac{7}{9}$	.00088$\frac{8}{9}$	.001	.00111⅑
10	.00122$\frac{2}{9}$	.00133⅓	.00144$\frac{4}{9}$	.00155$\frac{5}{9}$	.00166⅔	.00177$\frac{7}{9}$	.00188$\frac{8}{9}$	.002	00211⅑	.00222$\frac{2}{9}$
20	.00233⅓	.00244$\frac{4}{9}$	00255$\frac{5}{9}$	.00266⅔	00277$\frac{7}{9}$	.00288$\frac{8}{9}$	.003	.00311⅑	.00322$\frac{2}{9}$	.00333⅓
30	.00344$\frac{4}{9}$	.00355$\frac{5}{9}$	.00366⅔	.00377$\frac{7}{9}$	.00388$\frac{8}{9}$	004	.00411⅑	.00422$\frac{2}{9}$	.00433⅓	.00444$\frac{4}{9}$
40	.00455$\frac{5}{9}$	00466⅔	.00477$\frac{7}{9}$	.00488$\frac{8}{9}$	005	.00511⅑	.00522$\frac{2}{9}$	.00533⅓	.00544$\frac{4}{9}$	.00555$\frac{5}{9}$
50	.00566⅔	00577$\frac{7}{9}$	.00588$\frac{8}{9}$	.006	00611⅑	.00622$\frac{2}{9}$	.00633⅓	.00644$\frac{4}{9}$	.00655$\frac{5}{9}$	.00666⅔
60	00677$\frac{7}{9}$	.00688$\frac{8}{9}$	.007	00711⅑	.00722$\frac{2}{9}$	.00733⅓	.00744$\frac{4}{9}$	.00755$\frac{5}{9}$	.00766⅔	.00777$\frac{7}{9}$
70	.00788$\frac{8}{9}$	008	.00811⅑	.00822$\frac{2}{9}$	00833⅓	.00844$\frac{4}{9}$	00855$\frac{5}{9}$	.00866⅔	.00877$\frac{7}{9}$	.00888$\frac{8}{9}$
80	.009	.00911⅑	.00922$\frac{2}{9}$	.00933⅓	.00944$\frac{4}{9}$	.00955$\frac{5}{9}$	00966⅔	.00977$\frac{7}{9}$	.00988$\frac{8}{9}$	.01
90	.01011⅑	01022$\frac{2}{9}$	.01033⅓	.01044$\frac{4}{9}$	.01055$\frac{5}{9}$	.01066⅔	.01077$\frac{7}{9}$	.01088$\frac{8}{9}$	011	.01111⅑
100	.01122$\frac{2}{9}$	.01133⅓	01144$\frac{4}{9}$	.01155$\frac{5}{9}$	.01166⅔	.01177$\frac{7}{9}$	01188$\frac{8}{9}$	.012	.01211⅑	01222$\frac{2}{9}$
110	.01233⅓	.01244$\frac{4}{9}$	.01255$\frac{5}{9}$	01266⅔	.01277$\frac{7}{9}$	.01288$\frac{8}{9}$	013	.01311⅑	.01322$\frac{2}{9}$	.01333⅓

Interest at 5 per Cent.

	.00013$\frac{8}{9}$	.00027$\frac{7}{9}$	.00041⅔	.00055$\frac{5}{9}$	.00069$\frac{4}{9}$	.00083⅓	.00097$\frac{2}{9}$	.00111⅑	.00125	.00138$\frac{8}{9}$
10	.00152$\frac{7}{9}$	.00166⅔	.00180$\frac{5}{9}$	.00194$\frac{4}{9}$	.00208⅓	.00222$\frac{2}{9}$	.00236⅑	.0025	.00263$\frac{8}{9}$	.00277$\frac{7}{9}$
20	.00291⅔	.00305$\frac{5}{9}$	.00319$\frac{4}{9}$	.00333⅓	.00347$\frac{2}{9}$	.00361⅑	.00375	.00388$\frac{8}{9}$	.00402$\frac{7}{9}$	.00416⅔
30	.00430$\frac{5}{9}$	.00444$\frac{4}{9}$	.00458⅓	.00472$\frac{2}{9}$	.00486⅑	.005	.00513$\frac{8}{9}$	.00527$\frac{7}{9}$	.00541⅔	.00555$\frac{5}{9}$
40	00569$\frac{4}{9}$	.00583⅓	.00597$\frac{2}{9}$	.00611⅑	.00625	.00638$\frac{8}{9}$	.00652$\frac{7}{9}$	.00666⅔	.00680$\frac{5}{9}$	.00694$\frac{4}{9}$
50	.00708⅓	.00722$\frac{2}{9}$	.00736⅑	.0075	.00763$\frac{8}{9}$	.00777$\frac{7}{9}$	.00791⅔	.00805$\frac{5}{9}$	.00819$\frac{4}{9}$	.00833⅓
60	.00847$\frac{2}{9}$	.00861⅑	.00875	.00888$\frac{8}{9}$	.00902$\frac{7}{9}$	.00916⅔	.00930$\frac{5}{9}$	.00944$\frac{4}{9}$	.00958⅓	.00972$\frac{2}{9}$
70	.00986⅑	.01	.01013$\frac{8}{9}$	.01027$\frac{7}{9}$	.01041⅔	.01055$\frac{5}{9}$	.01069$\frac{4}{9}$	.01083⅓	.01097$\frac{2}{9}$	.01111⅑
80	.01125	.01138$\frac{8}{9}$	.01152$\frac{7}{9}$	.01166⅔	.01180$\frac{5}{9}$	.01194$\frac{4}{9}$	.01208⅓	.01222$\frac{2}{9}$	.01236⅑	.0125
90	.01263$\frac{8}{9}$	.01277$\frac{7}{9}$	.01291⅔	.01305$\frac{5}{9}$	.01319$\frac{4}{9}$	.01333⅓	.01347$\frac{2}{9}$	.01361⅑	.01375	.01388$\frac{8}{9}$
100	.01402$\frac{7}{9}$	.01416⅔	.01430$\frac{5}{9}$	.01444$\frac{4}{9}$	.01458⅓	.01472$\frac{2}{9}$	.01486⅑	.015	.01513$\frac{8}{9}$	.01527$\frac{7}{9}$
110	.01541⅔	.01555$\frac{5}{9}$	.01569$\frac{4}{9}$	.01583⅓	.01597$\frac{2}{9}$	.01611⅑	.01625	.01638$\frac{8}{9}$	.01652$\frac{7}{9}$	.01666⅔

Interest is given for one dollar for any number of days or for any number of dollars for one day.

EXAMPLE.—Seventy-two dollars for 90 days at 5 per cent. Seventy-two in above table for 5 per cent. is .01. Multiply by number of days, thus: $72 for one day—

.01
90 days.

.90

RULE.—Multiply the amount given for one day by the number of days you wish *to find interest for.*

Interest at 6 Per Cent.

1	2	3	4	5	6	7	8	9	10	
.00016 2/3	.00033 1/3	.0005	.00066 2/3	.00083 1/3	.001	.00116 2/3	.00133 1/3	.0015	.00166 2/3	10
.00183 1/3	.002	.00216 2/3	.00233 1/3	.0025	.00266 2/3	.00283 1/3	.003	.00316 2/3	.00333 1/3	20
.0035	.00366 2/3	.00383 1/3	.004	.00416 2/3	.00433 1/3	.0045	.00466 2/3	.00483 1/3	.005	30
.00516 2/3	.00533 1/3	.0055	.00566 2/3	.00583 1/3	.006	.00616 2/3	.00633 1/3	.0065	.00666 2/3	40
.00683 1/3	.007	.00716 2/3	.00733 1/3	.0075	.00766 2/3	.00783 1/3	.008	.00816 2/3	.00833 1/3	50
.0085	.00866 2/3	.00883 1/3	.009	.00916 2/3	.00933 1/3	.0095	.00966 2/3	.00983 1/3	.01	60
.01016 2/3	.01033 1/3	.0105	.01066 2/3	.01083 1/3	.011	.01116 2/3	.01133 1/3	.0115	.01166 2/3	70
.01183 1/3	.012	.01216 2/3	.01233 1/3	.0125	.01266 2/3	.01283 1/3	.013	.01316 2/3	.01333 1/3	80
.0135	.01366 2/3	.01383 1/3	.014	.01416 2/3	.01433 1/3	.0145	.01466 2/3	.01483 1/3	.015	90
.01516 2/3	.01533 1/3	.0155	.01566 2/3	.01583 1/3	.016	.01616 2/3	.01633 1/3	.0165	.01666 2/3	100
.01683 1/3	.017	.01716 2/3	.01733 1/3	.0175	.01766 2/3	.01783 1/3	.018	.01816 2/3	.01833 1/3	110
.0185	.01866 2/3	.01883 1/3	.019	.01916 2/3	.01933 1/3	.0195	.01966 2/3	.01983 1/3	.02	120

Interest at 7 Per Cent.

.00019 4/9	.00038 8/9	.00058 1/3	.00077 7/9	.00097 2/9	.00116 2/3	.00136 1/9	.00155 5/9	.00175	.00194 4/9	10
.00213 8/9	.00233 1/3	.00252 7/9	.00272 2/9	.00291 2/3	.00311 1/9	.00330 5/9	.0035	.00369 4/9	.00388 8/9	20
.00408 1/3	.00427 7/9	.00447 2/9	.00466 2/3	.00486 1/9	.00505 5/9	.00525	.00544 4/9	.00563 8/9	.00583 1/3	30
.00602 7/9	.00622 2/9	.00641 2/3	.00661 1/9	.00680 5/9	.007	.00719 4/9	.00738 8/9	.00758 1/3	.00777 7/9	40
.00797 2/9	.00816 2/3	.00836 1/9	.00855 5/9	.00875	.00894 4/9	.00913 8/9	.00933 1/3	.00952 7/9	.00972 2/9	50
.00991 2/3	.01011 1/9	.01030 5/9	.0105	.01069 4/9	.01088 8/9	.01108 1/3	.01127 7/9	.01147 2/9	.01166 2/3	60
.01186 1/9	.01205 5/9	.01225	.01244 4/9	.01263 8/9	.01283 1/3	.01302 7/9	.01322 2/9	.01341 2/3	.01361 1/9	70
.01380 5/9	.014	.01419 4/9	.01438 8/9	.01458 1/3	.01477 7/9	.01497 2/9	.01516 2/3	.01536 1/9	.01555 5/9	80
.01575	.01594 4/9	.01613 8/9	.01633 1/3	.01652 7/9	.01672 2/9	.01691 2/3	.01711 1/9	.01730 5/9	.0175	90
.01769 4/9	.01788 8/9	.01808 1/3	.01827 7/9	.01847 2/9	.01866 2/3	.01886 1/9	.01905 5/9	.01925	.01944 4/9	100

Interest at 8 Per Cent.

.00022 2/9	.00044 4/9	.00066 2/3	.00088 8/9	.00111 1/9	.00133 1/3	.00155 5/9	.00177 7/9	.002	.00222 2/9	1
.00244 4/9	.00266 2/3	.00288 8/9	.00311 1/9	.00333 1/3	.00355 5/9	.00377 7/9	.004	.00422 2/9	.00444 4/9	
.00466 2/3	.00488 8/9	.00511 1/9	.00533 1/3	.00555 5/9	.00577 7/9	.006	.00622 2/9	.00644 4/9	.0066	
.00688 8/9	.00711 1/9	.00733 1/3	.00755 5/9	.00777 7/9	.008	.00822 2/9	.00844 4/9	.00866 2/3	.0088	
.00911 1/9	.00933 1/3	.00955 5/9	.00977 7/9	.01	.01022 2/9	.01044 4/9	.01066 2/3	.01088 8/9	.011	5
.01133 1/3	.01155 5/9	.01177 7/9	.012	.01222 2/9	.01244 4/9	.01266 2/3	.01288 8/9	.01311 1/9	.013	6
.01355 5/9	.01377 7/9	.014	.01422 2/9	.01444 4/9	.01466 2/3	.01488 8/9	.01511 1/9	.01533 1/3	.015	7
.01577 7/9	.016	.01622 2/9	.01644 4/9	.01666 2/3	.01688 8/9	.01711 1/9	.01733 1/3	.01755 5/9	.01777 7/9	
.018	.01822 2/9	.01844 4/9	.01866 2/3	.01888 8/9	.01911 1/9	.01933 1/3	.01955 5/9	.01977 7/9	.02	
.02022 2/9	.02044 4/9	.02066 2/3	.02088 8/9	.02111 1/9	.02133 1/3	.02155 5/9	.02177 7/9	.022	.02222 2/9	1

"**Bankers' Rule.**"—Multiply the principal by number of days to run: thus, $430 for 90 days equals $38,700 for one day. Point in the tables for same number of dollars you wish to find interest for, at same rate per cent., say $430 for 90 days at 8 per cent; $430 × 90 = $38,700. In above table 8 per cent. for $38 is .00844 4-9:

Place the point three places to the right for 38,000, - - 8.44 4-9
For $70 at 8 per cent., in same table, interest is .01555 5-9,
for $700 point one to right, - - - - - - - - - .15 1-2

Interest on $430 for 90 days at 8 per cent., - - - - - $8.60

For hundreds, point one to right; thousands, two to right. Thus, $43 at 7 per cent. 00836 1-9; for $430 remove the point one to right, .0836 1-9; for $4,300, two to right, 836 1-9, etc. See simple interest rules, page 267.

Interest at 9 Per Cent.

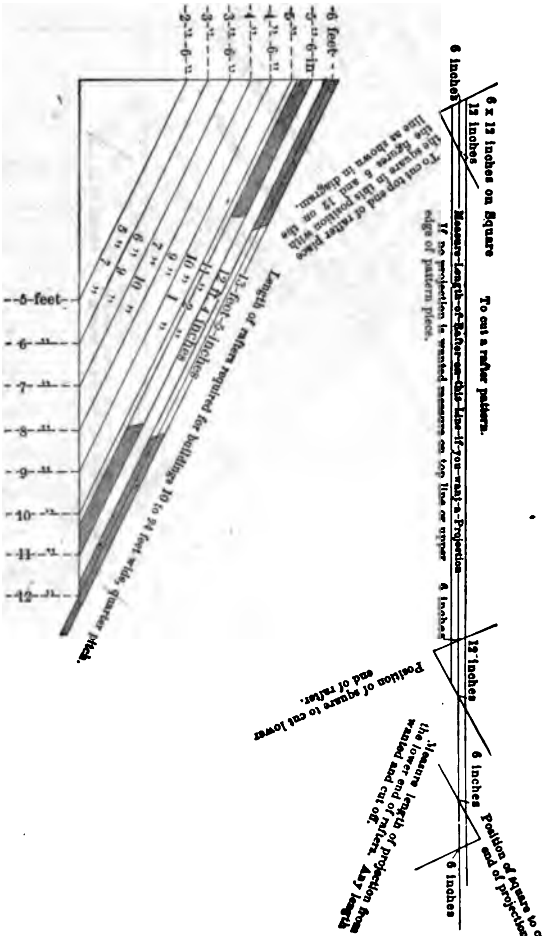
	1	2	3	4	5	6	7	8	9	10	
	.00025	.0005	.00075	.001	00125	.0015	.00175	.002	.00225	.0025	10
0	.00275	.003	.00325	.0035	00375	.004	.00425	.0045	.00475	.005	20
0	.00525	.0055	.00575	.006	00625	.0065	.00675	.007	.00725	.0075	30
0	.00775	.008	.00825	.0085	00875	.009	.00925	.0095	.00975	.01	40
0	.01025	.0105	.01075	.011	01125	.0115	.01175	.012	.01225	.0125	50
0	.01275	.013	.01325	.0135	01375	.014	.01425	.0145	.01475	.015	60
0	.01525	.155	.01575	.016	01625	.0165	.01675	.017	.01725	.0175	70
0	.01775	.018	.01825	.0185	01875	.0019	.01925	.0195	.01975	.02	80
0	.02025	.0205	.02075	.021	02125	.0215	.02175	.022	.02225	.0225	90
0	.02275	.023	.02325	.0235	02375	.024	.02425	.0245	.02475	.025	100

Interest at 10 Per Cent.

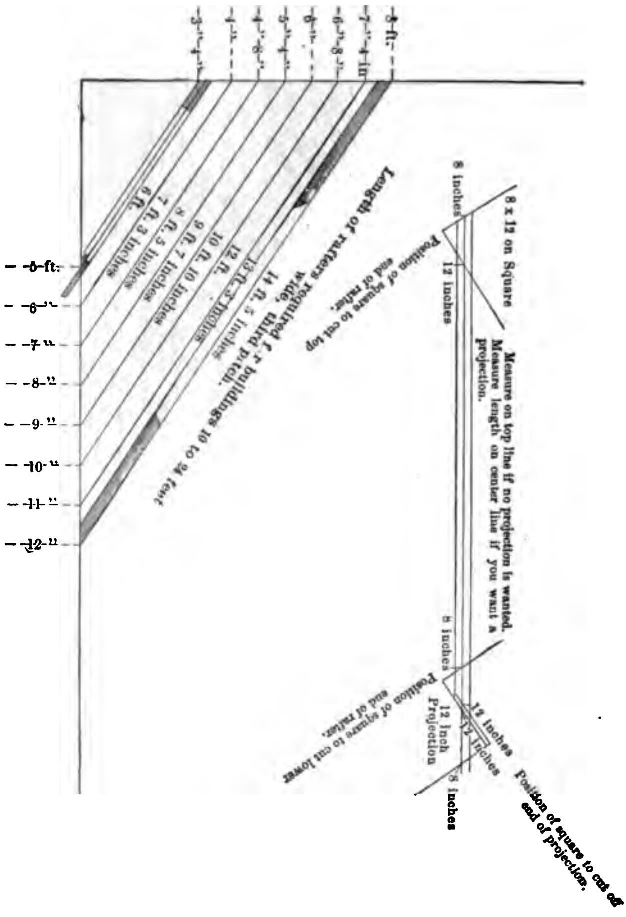
0	.00027$\frac{7}{9}$	.00055$\frac{5}{9}$	.00083$\frac{1}{3}$	.00111$\frac{1}{9}$	00138$\frac{8}{9}$	.00166$\frac{2}{3}$	.00194$\frac{4}{9}$	.00222$\frac{2}{9}$	.0025	.00277$\frac{7}{9}$	10
0	.00305$\frac{5}{9}$	.00333$\frac{1}{3}$	.00361$\frac{1}{9}$	.00388$\frac{8}{9}$	00416$\frac{2}{3}$	.00444$\frac{4}{9}$	.00472$\frac{2}{9}$	.005	.00527$\frac{7}{9}$	.00555$\frac{5}{9}$	20
0	.00583$\frac{1}{3}$	.00611$\frac{1}{9}$	.00638$\frac{8}{9}$	.00666$\frac{2}{3}$	00694$\frac{4}{9}$	.00722$\frac{2}{9}$	.0075	00777$\frac{7}{9}$	.00805$\frac{5}{9}$	.00833$\frac{1}{3}$	30
0	.00861$\frac{1}{9}$	.00888$\frac{8}{9}$	.00916$\frac{2}{3}$	.00944$\frac{4}{9}$	00972$\frac{2}{9}$	.01	.01027$\frac{7}{9}$	01055$\frac{5}{9}$	.01083$\frac{1}{3}$	.01111$\frac{1}{9}$	40
0	.01138$\frac{8}{9}$	.01166$\frac{2}{3}$	.01194$\frac{4}{9}$	.01222$\frac{2}{9}$	0125	.01277$\frac{7}{9}$	.01305$\frac{5}{9}$	01333$\frac{1}{3}$	.01361$\frac{1}{9}$	.01388$\frac{8}{9}$	50
0	.01416$\frac{2}{3}$	.01444$\frac{4}{9}$	.01472$\frac{2}{9}$	.015	01527$\frac{7}{9}$	.01555$\frac{5}{9}$	.01583$\frac{1}{3}$	.01611$\frac{1}{9}$	01638$\frac{8}{9}$	.01666$\frac{2}{3}$	60
0	.01694$\frac{4}{9}$	.01722$\frac{2}{9}$	.0175	.01777$\frac{7}{9}$	01805$\frac{5}{9}$	.01833$\frac{1}{3}$	.01861$\frac{1}{9}$	.01888$\frac{8}{9}$	.01916$\frac{2}{3}$	.01944$\frac{4}{9}$	70
0	.01972$\frac{2}{9}$	.02	.02027$\frac{7}{9}$	.02055$\frac{5}{9}$	02083$\frac{1}{3}$	.02111$\frac{1}{9}$	.02138$\frac{8}{9}$	.02166$\frac{2}{3}$	.02194$\frac{4}{9}$	.02222$\frac{2}{9}$	80
0	.0225	.02277$\frac{7}{9}$	.02305$\frac{5}{9}$	.02333$\frac{1}{3}$	02361$\frac{1}{9}$	.02388$\frac{8}{9}$	.02416$\frac{2}{3}$	.02444$\frac{4}{9}$	.02472$\frac{2}{9}$	.025	90
0	.02527$\frac{7}{9}$	.02555$\frac{5}{9}$	.02583$\frac{1}{3}$	.02611$\frac{1}{9}$	02638$\frac{8}{9}$	.02666$\frac{2}{3}$	.02694$\frac{4}{9}$	.02722$\frac{2}{9}$	.0275	.02777$\frac{7}{9}$	100

Weights Per Bushel of Grain, Etc.

STATES.	Barley	Buckwheat	Coal.	Corn, sh'l'd	Corn Meal.	Onions.	Oats.	Potatoes.	Rye.	Wheat.	Salt.	Turnips.	Beans, wh.	Clover Seed	Timothy.
Maine	48	48	...	56	50	52	30	60	...	60	...	50	64	...	...
N. Ham'shi'r	...	...	...	56	50	...	30	60	56	60	...	...	60	...	...
Vermont	48	48	...	...	...	...	32	60	56	60	70	...	64	60	42
Massachus'ts	48	48	..	56	50	52	32	60	56	60	...	...	...	...	...
Connecticut	...	45	...	56	...	...	28	60	56	56	...	...	...	...	...
New York	48	48	...	58	...	...	32	60	56	60	...	...	62	60	44
New Jersey	48	50	...	56	...	...	30	60	56	60	...	...	...	64	...
Pennsylva'ia	47	48	...	56	...	...	30	56	56	60	85	...	...	62	...
Delaware	...	...	...	56	...	...	...	...	...	60	...	...	...	...	...
Maryland	48	48	...	56	...	57	32	60	56	60	56	...	62	64	45
D. Columbia	47	48	...	56	48	57	32	56	56	60	50	55	62	60	45
Virginia	48	48	...	56	50	...	32	60	56	60	...	56	60	64	45
W. Virginia	48	52	80	56	48	...	32	60	56	60	...	60	60	60	45
N. Carolina	48	50	...	54	46	...	30	...	56	60	...	...	...	64	...
S. Carolina	48	56	80	56	50	57	33	60	56	60	50	...	60	60	...
Georgia	40	...	80	56	48	57	35	56	...	60	56	...	...	60	45
Louisiana	32	...	...	56	...	...	32	...	32	60	...	...	...	...	...
Arkansas	48	52	80	56	50	57	32	60	56	60	50	...	60	60	45
Tennessee	48	50	...	56	50	56	32	60	56	60	...	...	60	...	45
Kentucky	48	52	...	56	50	57	33	56	56	60	50	...	60	60	45
Ohio	48	50	...	56	...	...	32	60	56	60	...	...	60	60	45
Michigan	48	48	80	56	...	54	32	60	56	60	56	58	60	60	45
Indiana	48	50	70	56	50	48	32	60	56	60	50	...	60	60	...
Illinois	48	52	...	56	48	57	32	60	56	60	50	...	60	60	...
Wisconsin	48	50	...	56	...	...	32	60	56	60	...	...	...	60	...
Minnesota	48	42	...	56	...	...	32	60	56	60	...	...	...	60	...
Iowa	48	52	...	56	...	57	33	60	56	60	50	...	60	60	45
Missouri	48	52	...	56	...	57	32	60	56	60	50	...	60	60	45
Kansas	50	50	...	56	50	57	32	60	56	60	50	55	60	...	45
Nebraska	48	52	...	56	50	57	34	60	56	60	50	55	60	60	45

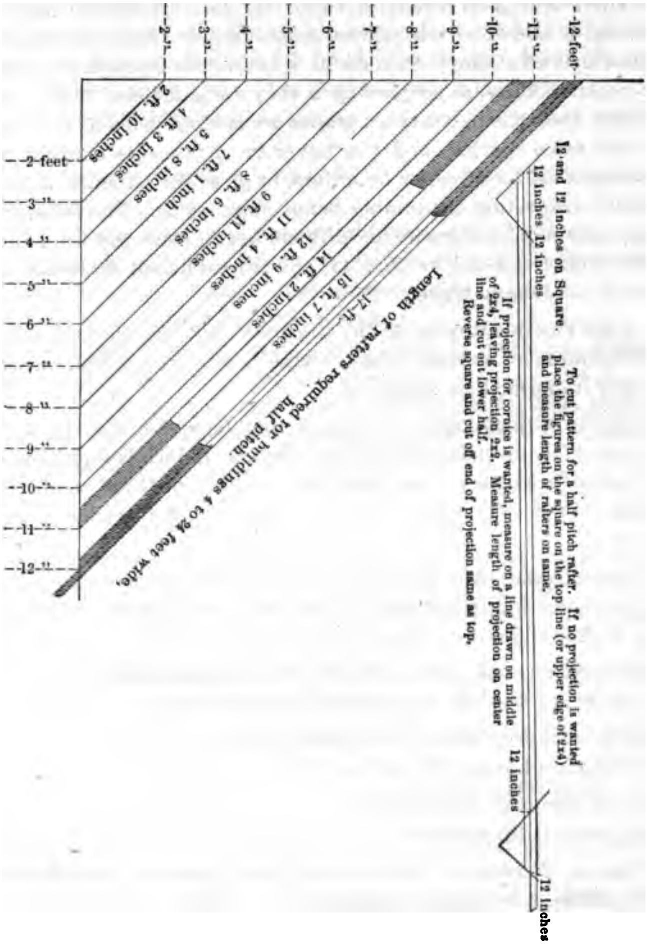

6 feet
5 " 6 in
5 "
4 " 6 "
4 "
3 " 6 "
3 "
2 " 6 "
5 feet
6 "
7 "
8 "
9 "
10 "
11 "
12 "
13 feet 5 inches
12 ft 4 inches
Length of rafters required for buildings 10 to 24 feet wide, quarter pitch.
6 x 12 inches on Square
To cut a rafter pattern.
12 inches
6 inches
Measure length of Rafter on this line if you want a Projection
If no projection is wanted measure on top line or upper edge of pattern piece.
6 inches
To cut top end of rafter place the square in this position with the figures 6 and 12 on the line as shown in diagram.
12 inches
Position of square to cut lower end of rafter.
6 inches
Measure length of projection from the lower end of rafters. Any length wanted and cut off.
6 inches
Position of square to cut off end of projection.

Length is given for rafters for buildings 10 to 24 feet wide. A building 10 feet wide would require rafters 5 feet 7 inches long. A building 24 feet wide, rafters 13 feet 5 inches, etc. (quarter *pitch).*


-3'-4''
-4'
-4'-8''
-5'-4''
-6'
-6'-8''
-7'-4 in
-8 ft.
5 ft.
6
7
8
9
10
11
12
6 ft.
7 ft. 3 inches
8 ft. 5 inches
9 ft. 7 inches
10 ft. 10 inches
12 ft.
13 ft. 3 inches
14 ft. 5 inches
Length of rafters required for buildings 10 to 24 feet wide, third pitch.
Position of square to cut top end of rafter.
8 inches
12 inches
8 x 12 on Square
Measure on top line if no projection is wanted. Measure length on center line if you want a projection.
8 inches
Position of square to cut lower end of rafter.
12 Inch Projection
12 inches
12 inches
8 inches
Position of square to cut off end of projection.

CAPACITY OF CISTERNS IN GALLONS FOR EACH TEN INCH DEPTH.

Diameter. Feet.	Gallons.	Diameter. Feet.	Gallons.	Diameter. Feet.	Gallons.
2.	19.5	6.5	206.8	12	705.
2.5	30.5	7.	239.8	13	827.4
3.	41.6	7.5	275.4	14	959.7
3.5	59.97	8.	313.3	15	1101.6
4.	78.33	8.5	353.7	20	1958.4
4.5	99.14	9.	396 5	25	3059.9
5.	*122.4*	9.5	461.4	30	4406.4
5.5	*148.1*	10.	489.6	35	5990.
6.	*176.2*	11.	592.4	40	7831.



To cut pattern for a half pitch rafter. If no projection is wanted place the figures on the square on the top line (or upper edge of 2x4) and measure length of rafters on same.

If projection for cornice is wanted, measure on a line drawn on middle of 2x4, leaving projection 2x2. Measure length of projection on center line and cut out lower half.

Reverse square and cut off end of projection same as top.

Rafters for buildings 4 to 24 feet wide. Half pitch will also answer for brace patterns. No difference in measurement, rafters being cut from 2x4, 2x6 or 2x8.

LUMBER INSPECTION.

There is no good reason why rules for the inspection of lumber cannot be laid down with almost mathematical exactness, yet it is a fact that all attempts thus far have been little more than a mass of contradictions, as perplexing as they are valueless. The result is that even the best known grades are seldom twice alike, even in the same market, and the buyer must take his chances on getting what he supposes he orders, or go to the expense of personally inspecting the lumber before purchasing. The following descriptions of the grades most in use are so plain and brief that they cannot mislead or perplex, and are sufficient for practical use in the general trade:

First Clear—May be of any thickness, not less than 12 inches wide, and must be clear of sap, shake, knots, rot, splits, checks or any imperfections whatever.

Second Clear—May be of any thickness, not less than 10 inches wide, no shake or rot, but in boards 12 inches and over, 3 inches of bright sap is allowed on one edge, or three small red knots. First and Second Clear are often put together in one grade.

Third Clear—Any thickness, not less than 10 inches wide, no rot or shake, but in boards 12 inches and over, 3 inches of bright sap is allowed on each edge, or three small knots.

Selects—Any thickness, not less than 8 inches wide, two-thirds of the board to work clear of rot, knots and shake.

Shop—Large coarse or loose knots, with 2 to 6 feet of good lumber between knots. For cutting up.

Wide Common—12 inches and wider, large red or smaller black tight knots. No shake or rot.

Second Common—8 inches and wider, blue sap, large knots, tight shake, a few worm holes, no rot.

Third Common, or Sheathing—A very coarse grade of common boards, coarse knots, small worm holes and red streaks.

Culls—Red rot, loose shakes, knots and checks.

Dead Culls—Soft rot, splits.

Mill Culls—Badly sawed, waney and thick and thin lumber.

STOCK BOARDS.

Stock Boards are boards of even widths, and are usually put up 8, 10 and 12 inches wide, and in grades from common to clear. They are very convenient for builders, and save much waste. They are also called Dimension Boards in some markets.

"A" STOCK—Two small red or tight knots and 3 inches bright sap.

"B" STOCK—Four small red or tight knots and bright sap on both edges.

"C" STOCK—Five small red or tight knots and bright sap.

"D" STOCK—Eight to fifteen bright red or small tight knots. Suitable for cheap finish, extra quality of barn boards, No. 1 Shiplap or a fair quality of drop siding.

"E" STOCK—Medium sized, tight, black or large red, sound knots. Used for shiplap and barn boards.

"F" STOCK—Large, coarse knots, red or black, tight shake, some sap stain. Suitable for sheathing, either rough or dressed and matched, or for cheap shiplap.

FLOORING AND SIDING.

FIRST—Should be perfect—clear of sap, shake, knots and splits.

SECOND—Will allow bright, clear sap, or two small red knots. These two grades are often put together.

THIRD—Bright, clear sap or four small red knots, or two small black knots.

FOURTH—Eight to fifteen small red knots or four small black knots.

FIFTH—Large red knots, small black knots, tight shake, no holes. This is No. 1 Fencing.

SIXTH—Large knots, shake and stain. One knot out in pieces 14 feet and over. No. 2 Fencing.

CULL—Waney, badly manufactured boards, red rot, loose shake, knots out, split.

DIMENSION LUMBER.

No. 1—Sound, square-edged and tight round knots.

No. 2—Sound, slight wane, long and coarse knots, worm holes.

CULLS—Waney, shaky, rotten and badly manufactured.

SOME SUGGESTIONS.

When ordering lumber, use the same names for the different grades as are employed by the manufacturer or dealer of whom you are buying. Always state plainly the length, size, grade and number of pieces or feet of each, and if you are not particular, and one grade, length or size may be substituted for another, state it in your order, and avoid delay.

Bear in mind that lumber cars are not usually built longer than 33 or 34 feet, and that 16 feet is the longest lumber that can be loaded in two lengths. Do not order a carload of 18-foot lumber shipped immediately, and then blame the shipper for sending you a half carload, making the freight per 1,000 feet cost you a third more because there was not a minimum load. Order some shorter lumber, or lath and shingles, to load with the longer lumber.

Do not order fence flooring all lengths, and expect to get it for the price of fencing in the rough with just the cost of dressing and matching added. If you do get it at that price, the manufacturer is giving you more than he can afford to, or you will find some of your lumber unsatisfactory. There are many strips that will grade No. 1 Fencing in the rough that will not be good fence flooring when dressed. They will be too thin to dress, or the machine will tear out a knot or bring to light some imperfection that will condemn it for that particular grade. This is especially true of the shorter lengths. Therefore state plainly whether you want fence flooring or just fencing dressed and matched; and if you order the latter, and get it for the price of the rough with the dressing and matching added, do not go back at the manufacturer with the statement that some of it was only second fencing or culls. In nine cases out of ten the strips were all right before they went through the machine.

TERMS AND ABBREVIATIONS.

"F. O. B." is an abbreviation of the words "free on board," and means that the lumber will be loaded. When used in connection with the name of the place to which the lumber is to be shipped, it means that the lumber will be delivered there. For instance: If a Chicago dealer quotes a price on lumber "F. O. B. New York," that price includes the freight charges to New York.

"C. B. or D. B." is the abbreviation for center or double beaded.

"D. & M."—Dressed and Matched.

"D. & J."—Dressed and Jointed.

"D. & H."—Dressed and Headed.

"S. 1 S., or D. 1 S."—Surfaced, dressed or planed one side.

"S. 2 S."—Surfaced two sides, etc.

"S. 1 S. & E."—Surfaced one side and one edge. This is often called sizing, but, strictly speaking, sizing is simply bringing the joist or scantling all to one width, either with a saw or machine. Therefore, if you want scantling dressed on one side and one edge, do not simply order them sized.

Dimension, Piece Stuff and Bill Stuff are practically the same —joist, scantling and small timbers, although anything as large as 6x6 more properly comes under the general name of timber.

Drop, Cove or German Siding are simply dressed and matched strips with an "O. G." or bevel finish on one edge.

Bevel Siding is Lap Siding.

Parallel or Square Siding is not beveled. That is, the boards are of the same thickness on both edges.

SHINGLES AND LATH.

The brand on shingles is not always a safe guide as to the quality. The same brand may mean different grades in different localities. This is perplexing to the buyer, but is a fact that all purchasers must bear in mind. Six grades will cover all shingles manufactured:

First—A perfect shingle, generally known in the market as "Clear."

Second—Ten inches of the butt clear of sap, shake and knots.

Third—Five or six inches clear.

Fourth—Four inches clear.

Fifth—Red knots.

Sixth—Culls, black knots, tight shake, sap, red streaks on one side.

Shingles are counted 4 inches wide, may be 16 or 18 inches long, are packed 250 in bunches 20 inches wide, two lengths, lapped, and 25 courses.

House lath are now made 1½ inches wide, ⅜ of an inch thick, and are generally trimmed to ⅛ of an inch less than 4 feet. They are put up in bundles of 50 pieces, and are sold by the 1,000 pieces or 1,000 feet, 2,000 pieces being required for 1,000 feet.

Tobacco lath, used by tobacco growers to hang tobacco in the curing sheds, are ½ inch thick and the same width and length as common lath. They are put up in bundles of 50, and sold by the 1,000 pieces.

A safe and cheap way to send money is by Money Orders, which can be obtained at post-offices. Postal Notes can also be obtained for sums less than $5.00—fee, 3 cents. Express Money Orders can also be obtained from any express agent. Money may also be paid through telegraphing, but cost besides regular Money Order fees, the telegraph charges.

PAINT AND PAINTING.

One gallon of paint will cover 250 feet of outside new work; old work requires from one-quarter to one-half more.

Use raw linseed oil, without turpentine or benzine, for the first or priming coat. A little Japan will make it dry faster.

Yellow Ochre is the best priming for all work except white.

For priming coat for white, use one-half white lead, one-half ochre, mixed with raw oil. For the second coat use all white lead and add a very little turpentine to the oil, to bleach it. The third coat should be the same. Always use raw oil for outside work, as it is less liable to blister.

Light stone color can be made by mixing 10 lbs. white lead with 1 lb. yellow ochre, and adding lampblack until dark enough.

Dark Stone Color—Two-thirds lead, one-third ochre, and mix as for light.

Straw Color—White lead and ground golden ochre. The lead should first be thoroughly broken up with pure linseed oil, and then the ochre added. A very nice trimming for this color is made with yellow ochre and lampblack. It should be quite k.

Browns are made by using any kind of red and lampblack.

For inside work the colors should be mixed with one-fourth oil and three-fourths turpentine.

The ground work for graining oak or ash should be a bright straw color, with raw oil and turpentine, equal parts. Two coats should be put on.

For walnut the ground work should be of equal parts of white lead and ochre mixed, and enough Venetian red added to make about the color of sole leather. The graining color can be purchased already prepared.

WHITEWASH AND PLASTER.

Scald the lime, or slack it in hot water, in a wooden bucket. To prevent it from rubbing off, add about a quart of molasses to a pailful of whitewash.

For calcimine, use Spanish whiting and glue water to mix. For different shades, use ultra-marine blue, Venetian red, or any color to suit. Calcimine made of plaster of paris sets too quick for any one but an experienced workman.

For 100 yards of plastering there will be required 1,400 pieces of lath, 7 lbs. 2-penny fine nails, 10 bushels of lime, 1½ yards of sand and 2 bushels of hair.

RATES OF POSTAGE.

LETTERS.—Prepaid by stamps, 2 cents each ounce or fraction thereof to all parts of the U. S and Canada. For registering letters the charge is 8 cents additional. Drop letters at letter-carrier offices, 2 cents per ounce or fraction thereof; at other offices, 1 cent. Postal cards, sold only by government, 1 cent. SECOND CLASS MATTER.—Newspapers and periodicals mailed by the publishers, 1 cent a pound; mailed by others, 1 cent for each four ounces or fraction thereof. THIRD CLASS MATTER (not exceeding four pounds).—Printed matter, books, proof sheets, corrected or uncorrected, unsealed circulars, inclosed so as to admit of easy inspection without cutting cords or wrapper, 1 cent for each 2 ounces. FOURTH CLASS MATTER (not exceeding four pounds).—Embracing merchandise and samples, excluding poisons, greasy, inflammable or explosive articles, live animals, insects, etc., 1 cent an ounce. Postage to Canada and British North American States, 2 cents per ounce; must be prepaid, otherwise, 6 cents. POSTAGE TO FOREIGN COUNTRIES.—To the countries and colonies which, with the U. S., comprise the Universal Postal Union, the rates of postage are as follows: Letters, per 15 grams (½ ounce), prepayment optional, 5 cents; postal cards, each, 2 cents; newspapers and other printed matter, per 2 ounces, 1 cent. Commercial papers—first 10 ounces or fraction thereof, 5 cents; every additional 2 ounces, 1 cent. Sample of merchandise—first 4 ounces, 2 cents; every additional 2 ounces, 1 cent. Registration fee on letters or other articles, 10 cents. All correspondence other than letters must be prepaid at least partially.

SHIP BY			SHIP BY		
Atchison,Topeka & S.F.	lines	Buffon	Monon	lines	Aptness
Atlantic Coast	"	Abandon	Michigan Central	"	Autumn
Atlantic & Lake Superior	"	Abdicate	M. & O.	"	Arcade
Algoma Central	"	Advocate	Mo., K. & Texas	"	Bingham
Baltimore & Ohio	"	Apparel	Mo. P.	"	Bartlett
Boston & Maine	"	Adjourn	Nash., Chat. & St. Louis	"	Arouse
Chicago & Great Western	"	Advantage	New York Central	"	Barnum
Chicago & North-Western	"	Antique	New York Dock Co. Ter.	"	Archway
Chicago, Mil. & St. Paul	"	Antler	N. & W.	"	Arsenal
Chicago & E. Ill.	"	Archness	Northern Pacific	"	Appeal
Chicago, R. I. & P.	"	Argosy	Nickle Plate	"	Bagley
Chicago, B. & Q.	"	Auction	Oregon Short	"	Ascend
Chicago & A.	"	Awning	Oregon R. R. & Nav. Co.	"	Blithe
Chesapeake & Ohio	"	Barley	Pennsylvania	"	Attire
Central of N. J.	"	Banquet	Philadelphia & Reading	"	Boster
Central of Vt.	"	Advance	Port Arthur Route	"	Astern
Colorado Southern	"	Alamode	Queen & Crescent	"	Bracket
Canada Pacific	"	Barker	Rio Grande & Western	"	Aslope
Canada Northern	"	Batten	Road You Can Get Cars	"	Belmont
Canada Atlantic	"	Algebra	St. L. & San Francisco	"	Awhile
Delaware & Hudson	"	Almond	St. L., S. F. & Texas	"	Balance
Del., Lackawana & West.	"	Before	St. L., I. M. & .S	"	Attack
Denver & Rio Grande	"	Beside	Sea Board	"	August
Erie	"	Barkman	Southern	"	Bicker
Great Central	"	Bolster	Southern Pacific	"	Blakley
Great Northern	"	Ancestor	Soo	"	Binnacle
Georgia Central	"	Bailey	South Shore	"	Avenue
Grand Trunk	"	Arrears	Texas Pacific	"	Bucket
Houston & Texas	"	Animate	T. & W.	"	Bayard
Hocking Valley	"	Binate	Union Pacific	"	Angler
Illinois Central	"	Applause	Usal	"	Appear
Iowa Central	"	Balmoral	Wabash	"	Buffer
Intercolonial	"	Bivalve	Way Freight	"	Armful
Lake Shore & Mich. So.	"	Apples	Western Maryland	"	Branch
L. & N.	"	Appease	Wisconsin Central	"	Antelope
Leheigh Valley	"	Bluster	Water	"	Barque
Lake & Rail	"	Bondage	Yazoo & Miss.	"	Bulrush

EXPLANATIONS FOR CIPHER MESSAGES.

Ciphers printed in red, wants in black. Should you wish to ship over a certain route see railroads and ciphers for same above. On the next two pages is given the usual sizes, lengths and grades. Ciphers as given are for one car load. Example: If you should want a car load of 2x4=16 ft., the cipher would be "Bung;" a car of 2x6=12 ft., "Boil," etc. Should you want them surfaced one side and edge use the cipher "Catcus," see page 256; a sample car 12 inch B stock, surface one side, use the ciphers "Cereal" and "Hick;" for more or less number of feet see pages 255 and 256. For 5,248 ft., 2x6=16, ciphers would be "Rum" and "Buoy," which is within 2 feet of amount wanted.

NOTICE—That the ciphers for number of feet are given in "three" and "five" letters; lengths, grades and sizes are given in "four" letters; for working lumber and miscellaneous information in "six" and "seven" letters.

Sample Telegraph Order.

BOSTON, Mass., April 10th, 1906.

H. R. A. BAUGHMAN, Indianapolis, Ind. (Ciphers.)

Ship us one car extra Star A Star Cedar Shingles................Gust
" " " " " 2x4=16 ft..Bung
" " " " " 2x8=22 ft..Core
" " " " " 2x12=24 ft...Crib
" " " " " ⅜ lath...Stab
{ 4,400 feet 2x6=16 ft...Pew—Buoy
{ Dressed, matched, tongue and groove in center.......................Caldron
{ 7,750 feet 2x4=16 ft...Affix—Bung
{ Surfaced on side and edge..Catcus
{ Balance car load...Chinkey
{ C Bevel siding...Roll
Via New York Central lines...Barnum

JOHN SMITH & CO.

(Body of message 76 words)
Ciphers........... 14 "

Length in Feet.

DIMENSIONS.	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32
2 × 4	Abib	Arch	Bawn	Bevy	Body	Bowl	Bung	Card	Chat	Come	Craw	Damp	Dept	Dick	Dove
2 × 6	Abby	Army	Bane	Bety	Boll	Bone	Buoy	Care	Chap	Comp	Crow	Dare	Deep	Dike	Dray
2 × 8	Abet	Aura	Bawl	Beak	Bold	Boor	Burg	Cart	Chub	Core	Crop	Dark	Dear	Diet	Drib
2 × 10	Acid	Aunt	Bare	Bell	Bolt	Brag	Bush	Cast	Chum	Copy	Crum	Dash	Defy	Down	Drop
2 × 12	Ache	Axis	Bang	Beam	Bomb	Bran	Busy	Call	Chaw	Corn	Crib	Date	Deck	Don't	Drag
3 × 6	Acre	Bake	Balk	Best	Bond	Brat	Buzz	Cack	Chip	Coat	Cuff	Dask	Demy	Dock	Draw
3 × 8	Adry	Bard	Bail	Bice	Boon	Bray	Bulk	Calm	Chew	Cove	Cute	Dank	Dent	Door	Duet
3 × 10	Adze	Barn	Band	Bilk	Book	Bred	Burn	Cake	City	Cowl	Cure	Dawn	Dewy	Doff	Dumb
3 × 12	Afar	Bark	Beat	Bide	Bony	Brew	Busk	Cant	Clad	Cost	Cusp	Daze	Deed	Doge	Dusk
4 × 4	Ajar	Base	Beck	Bill	Boot	Brig	Burt	Carp	Clam	Coon	Cube	Dame	Dilt	Dole	Duck
4 × 6	Alas	Bate	Beer	Bile	Bore	Brim	Cady	Cash	Clan	Comb	Curb	Daub	Dine	Dome	Duel
6 × 6	Alms	Bath	Bend	Bind	Born	Brit	Cage	Cave	Clew	Cold	Curd	Days	Ding	Dose	Duke
6 × 8	Also	Bass	Belt	Bite	Boss	Brow	Calk	Celt	Clay	Coke	Czar	Darn	Dint	Dowd	Dump
8 × 8	Anew	Bask	Bess	Blow	Both	Buck	Calf	Cell	Clip	Coil	Dael	Dart	Dimp	Dorn	Dupe
8 × 10	Anon	Babe	Bead	Blue	Bots	Buff	Camp	Cent	Clod	Cord	Daft	Deaf	Dirt	Done	Dust
10 × 10	Anna	Back	Beau	Blur	Bont	Bull	Cane	Cess	Clog	Code	Dale	Deal	Dive	Dolt	Dude
12 × 12	Apex	Bade	Bear	Boat	Bode	Bump	Cape	Char	Club	Coit	Dave	Dean	Dice	Doll	Dyke

Ciphers for above calls for No. 1 Common. For No. 2 Common use the cipher "Trades;" Cull dimension use cipher "Losses;" Select common use cipher "Byam;" sidewalk plank use cipher "Grayson;" 3 in. tank use cipher "Lookout;" 2 in. tank plank use cipher "Matinee." See pages 256 to 258 for ciphers for working lumber and miscellaneous information.

ALL WIDTH BOARDS—RGH.	4	6	8	10	12	14	16	18	20	SHINGLES.	Pine.	Cedar.	Cypress.	Red Wood.
D Box	Fall	Farm	Fear	Feet	Fire	File	Flaw	Flow	Ford	Clear	Gary	Gush	Half	Hasp
Wide Common	Fact	Faro	Fend	Felt	Firm	Flag	Flay	Flop	Four	Extra Star A Star	Grim	Gust	Halt	Hate
No. 1 Common	Fade	Fast	Fell	Fend	Fish	Flap	Flux	Flam	Form	Star A Star	Grub	Gull	Hand	Hash
No. 2 Common	Fall	Fash	Feed	Fiat	Fist	Flat	Flew	Fled	Fond	Star A	Grew	Hack	Hard	Hawk
No. 3 Common	Fame	Fawn	Fein	Fick	Five	Flex	Flip	Foam	Food	A	Grip	Hail	Harm	Haze
Cull	Fare	Fake	Feel	Find	Fill	Flax	Flog	Fowl	Fool	Cull	Grit	Hair	Harp	Hall

STOCKS, 8/s	12	14	16	18	20	STOCKS, 8/s	12	14	16	18	20	STOCKS, 8/s	12	14	16	18	20
A, 12 in.	Helm	Help	Heat	Hill	Hive	C, 12 in.	Holt	Howl	Hurt	Hung	Jack	E, 12 in.	Jolt	Knob	Lard	Lake	Lame
A, 10 in.	Hear	Hemp	Head	Hilt	Hold	C, 10 in.	Hoof	Hone	Hulk	Idly	Jade	E, 10 in.	Join	Knop	Lash	Late	Lamb
A, 8 in.	Heed	Herb	Heap	Hind	Home	C, 8 in.	Hoot	Hunt	Husk	Idol	Jail	E, 8 in.	Jump	Knee	Lace	Lank	Lent
B, 12 in.	Heal	Herd	Hick	Hint	Hood	D, 12 in.	Hope	Huff	Hush	Inky	Jeer	F, 12 in.	July	Know	Land	Lass	Less
B, 10 in.	Heft	Here	Hide	Hiss	Hour	D, 10 in.	Horn	Hurl	Hull	Itch	Jilt	F, 10 in.	Just	Knit	Last	Lair	Learn
B, 8 in.	Hebe	Hero	High	Hire	Hole	D, 8 in.	Hose	Huge	Hump	Item	Joke	F 8 in.	Jury	Laid	Lack	Lamp	Lear

See next page for other sizes and lengths; page 252 for explanations.

Length in Feet.

FENCING. ROUGH.	8	10	12	14	16	18	20
No. 1, 6 in.,	Limb	Lion	List	Lick	Lime	Loss	Lock
No. 2, 6 in.,	Link	Line	Live	Life	Limp	Loin	Loaf
No. 3, 6 in.,	Lily	Lisp	Like	Lift	Lout	Loop	Loon

FENCING. ROUGH.	8	10	12	14	16	18	20
No. 1, 4 in.,	Long	Loud	Mace	Mass	Make	Mare	Mash
No. 2, 4 in.,	Lose	Lost	Main	Maid	Mask	Mast	Marl
No. 3, 4 in.,	Look	Love	Mark	Mail	Maul	Mate	Malt

D & M FLOORING. 6-INCH.	8	10	12	14	16	18	20
1st & 2d,	Mean	Mild	Mice	Mown	Mode	Morn	Mule
3d,	Meek	Mill	Mile	Moon	Moke	Moth	Muse
4th,	Mend	Milk	Mint	Moor	Mold	Must	Myth
Select Fence,	Mess	Mind	Mire	Moss	Moan	Musk	Nail
No. 2 "	Meal	Miss	Mist	Most	Mope	Mute	Name
No. 3 "	Miff	Mixt	Mite	Mock	More	Muck	Navy

D & M FLOORING. 4-INCH.	8	10	12	14	16	18	20
1st & 2d.	Neck	Nine	Open	Pack	Pare	Pert	Pill
3d,	Neat	None	Only	Paid	Pard	Peal	Pith
4th,	Near	Nook	Over	Page	Pang	Pelf	Pimp
Sel. Fence,	Nest	Noon	Oval	Pant	Palm	Pelt	Ping
No. 2 "	Nice	Odor	Pace	Pawn	Peep	Pent	Pipe
No 3 "	Nick	Oral	Pain	Pass	Pelf	Pile	Pike

UPPERS. ROUGH.	1st & 2d Clear.	3d Clear.	Sel. & Better.	A Select.	B Select.	C Select.	Shop.	Flat. Com.
1 inch,	Plan	Pond	Rang	Rate	Reap	Rein	Ride	Ripe
1¼ inch,	Plat	Pout	Rank	Rats	Rear	Rend	Rife	Rise
1½ inch,	Plum	Rael	Rant	Rave	Reck	Rent	Rind	Risk
2 inch,	Play	Rack	Rapt	Read	Reef	Rest	Ring	Road
2½ inch,	Plow	Raft	Rare	Real	Reek	Rich	Rink	Room
3 inch.	Pore	Rain	Rash	Ream	Reel	Rick	Riot	Roan

BEVEL SIDING.	8 & 10	12	14	16	18	20
1st,	Robe	Roof	Rude	Ruse	Safe	Sale
2d A,	Roar	Rook	Ruin	Rush	Sage	Salt
3d B,	Rock	Root	Rule	Rusk	Sago	Same
4th C,	Rode	Rope	Rump	Rust	Said	Samp
5th D,	Roll	Rose	Rung	Ruth	Sail	Sand
Cull,	Romp	Rove	Runt	Sack	Sake	Sang

⅞ WAINSCOTING.	8	10	12	14	16
1st & 2d,	Seal	Self	Ship	Shut	Silk
3d,	Seam	Sell	Shoe	Sick	Sill
4th,	Scan	Shag	Shop	Side	Site
Sel. Fence,	Seed	Shad	Shot	Sigh	Size
No. 2 "	Seek	Sham	Show	Sign	Skin

⅜ CEILING	8	10	12	14	16
1st & 2d,	Slab	Sled	Snip	Soap	Song
3d,	Slag	Slim	Snob	Soda	Soot
4th,	Slam	Slip	Snow	Soft	Soon
Sel. Fence,	Slap	Slug	Snug	Sold	Sore
No. 2 "	Slat	Snag	Soak	Sole	Sort

PICKETS.	
Flat Rough,	Span
No. 1 Flat D & H,	Spay
No. 1 Square D&H	Spin
No. 2 Flat D & H.	Spit
No. 2 Square D&H	Spot

LATH.	
⅜x1½ Com	Stab
½x1½ Toba'o	Stag
⅞ Patent,	Star
⅝x1½ Fence	Stop
⅜x1½ Cull.	Stow

Ciphers are given for one car load, thus: "Lime" one car load 16 feet No. 1 fencing, flooring, siding, wainscoting, is worked. Stock boards are to be surfaced one side. Dimension all with boards, fencing and uppers to go rough unless ciphers are used on pages 256 to 258. If ciphers are used on pages 256 to 258, lumber to be worked as cipher designates thus: If you should want dimension S. 1 S. and 1 edge use the cipher "Catcus." See page 256, etc.

CIPHERS FOR NUMBERS OR FEET.

Abe	25	Egg	1475	Lay	2925	Pet	4375	Sub	5825	Abuse	7275	Ambit	8725	Aware	M 700	Blend	M 500	Buyer	44 M
Act	50	Eat	1500	Lad	2950	Pew	4400	Sut	5850	Actor	7300	Amend	8750	Awful	M 800	Bless	M 600	Bylaw	45 M
Ace	75	Eel	1525	Lag	2975	Pig	4425	Sue	5875	Acorn	7325	Amiss	8775	Awoke	M 900	Blind	M 700	Byway	46 M
Add	100	Ebb	1550	Lap	3000	Pin	4450	Sun	5900	Acrid	7350	Amity	8800	Axiom	11 M	Bliss	M 800	Cabin	47 M
Ada	125	Fan	1575	Law	3025	Pip	4475	Sum	5925	Acute	7375	Among	8825	Azote	M 100	Bloat	M 900	Cable	48 M
Aft	150	Fag	1600	Lem	3050	Pit	4500	Sup	5950	Adage	7400	Amour	8850	Azure	M 200	Block	17 M	Caddy	49 M
Age	175	Fay	1625	Let	3075	Pie	4525	Tag	5975	Adapt	7425	Ample	8875	Babel	M 300	Blood	M 100	Cadet	50 M
Ago	200	Fat	1650	Lew	3100	Ply	4550	Tan	6000	Adder	7450	Amply	8900	Bacon	M 400	Bloom	M 200	Calve	55 M
Aid	225	Far	1675	Leo	3125	Pop	4575	Tar	6025	Addle	7475	Amuck	8925	Badge	M 500	Bluff	M 300	Cameo	60 M
Aim	250	Fee	1700	Lee	3150	Pot	4600	Taw	6050	Adept	7500	Amuse	8950	Badly	M 600	Blunt	M 400	Canal	65 M
All	275	Fit	1725	Lip	3175	Poe	4625	Tax	6075	Adieu	7525	Anew	8975	Baise	M 700	Blurt	M 500	Candy	70 M
Any	300	Fix	1750	Lid	3200	Pup	4650	Tab	6100	Admit	7550	Anger	9000	Balmy	M 800	Blush	M 600	Canoe	75 M
Ann	325	Gay	1775	Log	3225	Put	4675	Tat	6125	Adobe	7575	Angle	9025	Bandy	M 900	Board	M 700	Canon	80 M
Amy	350	Gag	1800	Lye	3250	Pug	4700	Tea	6150	Adopt	7600	Angry	9050	Barge	12 M	Boast	M 800	Cargo	85 M
Apt	375	Gad	1825	Man	3275	Rat	4725	Ted	6175	Adore	7625	Anile	9075	Baron	M 100	Boggy	M 800	Carry	90 M
Ape	400	Gap	1850	Mat	3300	Rag	4750	Ten	6200	Adorn	7650	Anise	9100	Basil	M 200	Bonny	18 M	Caroe	95 M
Are	425	Get	1875	Mam	3325	Ran	4775	Tet	6225	Adown	7675	Antic	9125	Basin	M 300	Bonus	M 100	Catch	100 M
Art	450	Gem	1900	Mad	3350	Ray	4800	Tim	6250	Adult	7700	Anvil	9150	Baste	M 400	Boose	M 200	Cause	¼ Car
Arm	475	Gig	1925	Map	3375	Rap	4825	Tin	6275	Adust	7725	Apace	9175	Batch	M 500	Booth	M 300	Cease	½ Car
Ark	500	Gin	1950	Max	3400	Raw	4850	Tib	6300	Affix	7750	Apart	9200	Bathe	M 600	Borax	M 400	Chafe	¾ Car
Ask	525	Gun	1975	Mag	3425	Rev	4875	Tip	6325	Afoul	7775	Apeak	9225	Baton	M 700	Bosom	M 500	Chain	⅓ Car
Ash	550	Gum	2000	May	3450	Red	4900	Tut	6350	Afoot	7800	Apery	9250	Bazar	M 800	Botch	M 600	Chair	⅔ Car
Ate	575	Gus	2025	Men	3475	Rim	4925	Tug	6375	After	7825	Apish	9275	Beach	M 900	Bough	M 700	Chalk	1 Car
Awe	600	Hay	2050	Mew	3500	Rix	4950	Tub	6400	Again	7850	Apple	9300	Beamy	13 M	Bound	M 800	Chant	5 Cars
Aye	625	Had	2075	Meg	3525	Rip	4975	Ton	6425	Agafe	7875	Apply	9325	Beard	M 100	Bower	M 900	Charm	10 Cars
Bad	650	Ham	2100	Met	3550	Rid	5000	Tom	6450	Agate	7900	April	9350	Beast	M 200	Boper	19 M	Chart	15 Cars
Bay	675	Hat	2125	Mix	3575	Rib	5025	Top	6475	Agent	7925	Aptly	9375	Befit	M 300	Brace	M 100	Chary	20 Cars
Bag	700	Haw	2150	Nab	3600	Rot	5050	Toy	6500	Agile	7950	Arbor	9400	Beget	M 400	Brain	M 200	Chase	25 Cars
Bah	725	Has	2175	Nag	3625	Row	5075	Tog	6525	Aglet	7975	Arctic	9425	Begun	M 500	Brake	M 300	Cheap	30 Cars
Bat	750	Hog	2200	Nan	3650	Roy	5100	Urn	6550	Agony	8000	Ardor	9450	Being	M 600	Brand	M 400	Check	35 Cars
Bee	775	Hen	2225	Nap	3675	Rod	5125	Vat	6575	Agree	8025	Arena	9475	Belay	M 700	Brass	M 500	Cheer	40 Cars
Bed	800	Her	2250	Nat	3700	Rob	5150	Vet	6600	Ahead	8050	Argal	9500	Belch	M 800	Brave	M 600	Chess	45 Cars
Ben	825	Hew	2275	Nay	3725	Rue	5175	Vex	6625	Alack	8075	Argil	9525	Belie	M 900	Brawn	M 700	Chick	50 Cars
Bet	850	Him	2300	Ned	3750	Rub	5200	Way	6650	Alawn	8100	Argue	9550	Below	14 M	Bread	M 800	Chide	55 Cars
Beg	875	Hip	2325	Net	3775	Run	5225	Wax	6675	Alate	8125	Arian	9575	Bench	M 100	Break	M 900	Chief	60 Cars
Big	900	Hit	2350	New	3800	Rum	5250	Wan	6700	Album	8150	Arise	9600	Berth	M 200	Bribe	20 M	Child	65 Cars
Bid	925	Hid	2375	Nig	3825	Rug	5275	Wad	6725	Alder	8175	Armor	9625	Beset	M 300	Brick	22 M	Chill	70 Cars
Bin	950	His	2400	Nix	3850	Rye	5300	Was	6750	Alert	8200	Arose	9650	Besot	M 400	Bride	23 M	Chirp	75 Cars

See Page 2 for greater number of feet

Ciphers for Number of Feet.

Bib	975	Hop	2425	Nip	3875	Sat	5325	War	6775	Allbi	8225	Array	9675	Bever	M 500	Brief	24 M	Choke	80 Cars
Bly	1000	Hod	2450	Not	3900	Say	5350	Wag	6800	Allen	8250	Arret	9700	Besel	M 600	Brine	25 M	Chore	85 Cars
Bon	1025	Hog	2475	Now	3925	Sad	5375	Web	6825	Alike	8275	Arrow	9725	Bifid	M 700	Brisk	26 M	Chops	90 Cars
Bot	1050	Hoe	2500	Nod	3950	Sag	5400	Wet	6850	Alive	8300	Arson	9750	Bight	M 800	Broad	27 M	Chose	95 Cars
Bow	1075	Hum	2525	Nun	3975	Sam	5425	Win	6875	Allay	8325	Ashen	9775	Bigot	M 900	Brock	28 M	Churd	100 Cars
Box	1100	Hut	2550	Nut	4000	Sap	5450	Wit	6900	Alley	8350	Askew	9800	Bilge	15 M	Broil	29 M	Chunk	1 Million
Boy	1125	Hug	2575	Nye	4025	Saw	5475	Wib	6925	Allot	8375	Assay	9825	Birch	M 100	Broke	30 M	Churn	2 Millions
Bog	1150	Hub	2600	Ora	4050	Sex	5500	Yeo	6950	Allow	8400	Aster	9850	Birth	M 200	Brood	31 M	Cider	2¼ Millions
Boa	1175	Ill	2625	Oar	4075	Set	5525	Yet	6975	Alloy	8425	Atilt	9875	Bison	M 300	Brook	32 M	Cigar	2½ Millions
Bob	1200	Inn	2650	Ode	4100	Six	5550	Yon	7000	Aloft	8450	Atlas	9900	Black	M 400	Broom	33 M	Clack	2¾ Millions
Buy	1225	Ida	2675	Odd	4125	Sim	5575	You	7025	Alone	8475	Attar	9925	Blade	M 500	Broth	34 M	Claim	3 Millions
Bun	1250	Ink	2700	Ott	4150	Sin	5600	Abaft	7050	Along	8500	Audit	9950	Blame	M 600	Brown	35 M	Clang	3¼ Millions
Bum	1275	Ire	2725	Pay	4175	Sit	5625	Abate	7075	Aloof	8525	Aught	9975	Bland	M 700	Bruin	36 M	Clare	3½ Millions
But	1300	Ike	2750	Pad	4200	Sip	5650	Abash	7100	Aloud	8550	Augar	10 M	Blank	M 800	Build	37 M	Clash	3¾ Millions
Bug	1325	Jig	2775	Pap	4225	Sir	5675	Abbey	7125	Alpha	8575	Avail	M 100	Blast	M 900	Bully	38 M	Clasp	4 Millions
Dub	1350	Jim	2800	Pan	4250	Son	5700	Abbot	7150	Alter	8600	Avart	M 200	Blaze	16 M	Bunch	39 M	Class	4¼ Millions
Dun	1375	Kit	2825	Pat	4275	Sop	5725	Abhor	7175	Amain	8625	Avert	M 300	Bleak	M 100	Burly	40 M	Clean	4½ Millions
Due	1400	Kin	2850	Paw	4300	Sot	5750	Abide	7200	Amass	8650	Avoid	M 400	Blear	M 200	Burnt	41 M	Clear	4¾ Millions
Dug	1425	Keg	2875	Peg	4325	Sod	5775	Abode	7225	Amaze	8675	Await	M 500	Bleat	M 300	Burst	42 M	Click	5 Millions
Dye	1450	Key	2900	Pen	4350	Sob	5800	Above	7250	Amber	8700	Award	M 600	Bleed	M 400	Bushy	43 M	Clock	6 Millions

Ciphers for Working Lumber and Miscellaneous Information.

Surfaced one side	Cabbage	We send estimates to-day	Cellar
Surfaced two sides	Cabinet	We will remit to-day	Celtic
Surfaced four sides	Cackle	How much have you for sale	Cement
Surfaced one side and edge	Cactus	Lumber will go up	Censor
Surfaced two sides and re-saw	Cadence	What discount for cash	Censual
Surfaced one side and re-saw	Cajole	What is your terms	Censure
Dressed and jointed	Calamus	Ninety days	Census
Dressed and matched	Calcine	Sixty days	Centage
Dressed, matched, tongue and groove in center	Caldron	Thirty days	Centaur
Sized on saw	Caliber	Cash ten days	Center
Ship lap	Calker	Collect if you can	Central
O. G. ship lap	Calling	Will draw on you to-day	Centric
Bevel ship lap	Callus	No hurry for this	Century
Bevel siding or lap siding	Callow	Gone forward to-day	Cerate
Parallel or straight siding	Calmly	Send sample car	Cereal
Riped in center	Calumny	Will take the lot	Certain
Riped two cuts	Cambric	Subject to your order	Certify

Ciphers for Working Lumber and Miscellaneous Information.

Eave troughs	Camlet
Corrugated ceiling	Camphor
O. G. drop siding	Canary
Bevel dropsiding	Candent
Dressed, grooved, no tongue	Candid
Lineal feet	Candle
2-inch O. G. Batts	Candor
3-inch O. G. Batts	Canker
2-inch x ½-inch batts surfaced one side	Cannon
3-inch x ½-inch batts surfaced one side	Cannot
Dressed and matched surfaced two sides	Canopy
Dressed and matched, double beaded two sides	Canteen
⅜-inch ceiling or wainscoting, one beade	Canter
⅜-inch " " " two beades	Canton
⅝-inch " " " one beade	Canvas
⅝-inch " " " two beades	Capable
¾-inch " " " one beade	Capital
¾-inch " " " two beades	Caprice
⅞-inch " " " one beade	Capsize
⅞-inch " " " two beades	Capsule
28-inch ceiling wainscoting	Captain
30-inch " "	Captive
32-inch " "	Capture
36-inch " "	Caravan
O. G. casing	Caraway
Square caseing.	Carbine
May be green.	Carbon
Send lengths you have.	Carboy
Give price f. o. b.	Carcass
Give price f. o. b. here.	Carder
Give price f. o. b. at ——	Cardoon
Give lowest price	Careen
Countermand our order	Careful
Can you fill our order	Caress
When will you ship	Carman
Send it rough	Carmine
Must be dry	Carnage
Answer by telegraph.	Carpet
Byrkit Lath or Patent Lath	Cartage
Can you extend time for —— days	Cavalry
Will ship ——	Ceiling
What can you —— furnish for	Censure
What price F. O. B. your place	Centaur
What " " " here	Centric
It is too late	Century

No truth in report	Ceruse
Come home at once	Cewine
Not satisfactory	Cession
Reported failing	Chafer
Must be delivered inside —— days	Chafing
We are in need of money	Chagrin
We will extend time	Chaise
Cannot sell below list	Chalice
Go to —— and see ——, failing	Chalky
Go to —— and see ——, try and sell	Chamber
End load lath	Chamfer
End load clear shingles, 1st	Chance
End load XAX shingles, 2d	Change
End load XA shingles, 3d	Channel
End load A shingles, 4th,	Chapel
One car sawdust	Chapman
Mill stops running ——	Chapter
Mill will start ——	Charade
Notify us at once if you can fill	Charge
Send man at once	Charger
Send men at once	Charmer
Crowd sales	Charter
Do not sell.	Chaser
Do not buy	Chaste
Hold for few days	Chasten
Cannot hold	Chateau
How much have you dry	Chattel
Send by express	Chatter
Send by freight	Cheese
Send by mail	Cherish
Send through bank	Cherry
Payment refused	Cherub
Reported good pay	Chicken
Reported poor pay	Chiefly
Ask for references	Chimney
Balance car load	Chinky
We are all out	Chintz
Send what you have	Chisel
Send as we talked	Choice

See explanations page 252.

NOTE.—The Publisher asks as a favor that he may be advised of any errors detected.

Ciphers for Working Lumber and Miscellaneous Information.

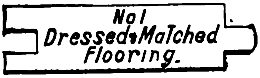
We are out of cars	Cascade
Letters to-day	Casein
How much have you dry in stock	Casier
How much have you green in stock	Casket
How much can you furnish	Cassock
Send on flat car	Caster
Send in short car	Casting
Send in Lumber Line car	Castle
Send in large car	Castor
Have everything in nice shape, will be there	Causal
Send bastard sawed	Catalp
Send quarter sawed	Catarrh
What is your price	Catcher
This takes place of previous order	Catchup
——Feet is all we have	Catfish
Will take 5 days	Catlin
Will take 10 days	Catnip
Will take 15 days	Catpipe
Will take 20 days	Cattle
Will take 30 days	Caucus
Will take 40 days	Caudal
Will take 60 days	Caught

Will take 90 days	Charles
Would expect price named net cash only	Chromo
Shall we sell	Chronic
Would accept price named for immediate shipment	Chubby
Large car load	Chuckle
Small car load	Chuffy
You are quoting to high	Cimeter
You are quoting to low	Cinder
Send widths you have	Cipher
Have only	Circuit
Net cash only	Circus
Will give option for——days	Cistern
We are figuring with other parties for this lot	Citadel
Must be spot cash	Citric
Will be there day——month	Citrine
Will be there Sunday	Citizen
Will be there Monday	Clacker
Will be there Tuesday	Clamant
Will be there Wednesday	Clamber
Will be there Thursday	Clammy
Will be there Friday	Clamor
Will be there Saturday	Clapper
Have made settlement with ——	Clarify
Can make satisfactory settlement	Clasper
Have given option for —— days	Classic
Ship quick	Clatter
Send tracer	Cleanse
Hold draft for —— days	Climate

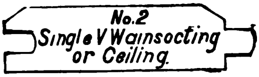
Note.—For our seventh edition of the Buyer and Seller we have added to and corrected pages 252 to 262; we believe this to be now one of the finest features in the work; we have also corrected all errors found throughout the work in the six previous editions; have added handy things to know. **The Buyer and Seller has now been before the lumber trade for several years, and we have hundreds of testimonials from the trade, both in the States and Canada. It is a book worth its "weight in gold" to every person in any way engaged in the lumber business. Send $1.50 with your address to H. R. A. Baughman, Indianapolis, Ind., U. S. A., and we will forward prepaid a sample copy.**

Wainscoting, Ceiling, Siding, Flooring, etc.

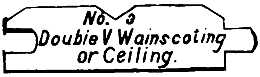
See next page for further cuts, etc.



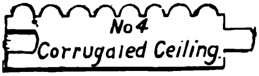
Cipher for No. 1, Console.



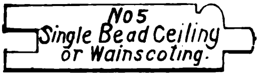
Cipher for No. 2, Contain.



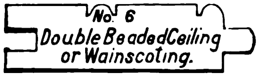
Cipher for No. 3, Contend.



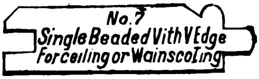
Cipher for No. 4, Convent.



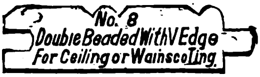
Cipher for No. 5, Convoke.



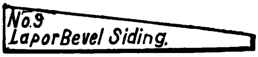
Cipher for No. 6, Confer.



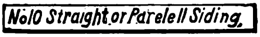
Cipher for No. 7, Confess.



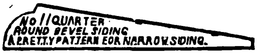
Cipher for No. 8, Confide.



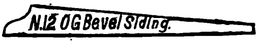
Cipher for No. 9, Confine.



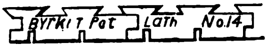
Cipher for No. 10, Conform.


No 11 QUARTER ROUND BEVEL SIDING
A PRETTY PATTERN FOR NARROW SIDING.

Cipher for No. 11, Connect.

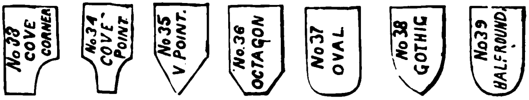


Cipher for No. 12, Connive.

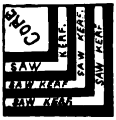


Cipher for No. 14, Comet.

Fancy But Shingles.



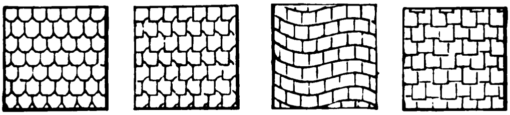
Ciphers—No. 33, Deluge. No. 34, Deface. No. 35, Deacon, No. 36, Darling. No. 37, Damage. No. 38, Daisy. No. 39, Daily.



No. 13

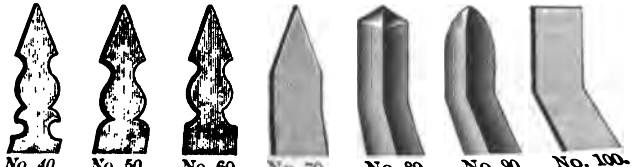
Showing manner of making eave troughs from square timber.

Cipher for No. 13, Consent.



Showing usual manner of laying fancy But Shingles.

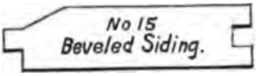
Pickets.



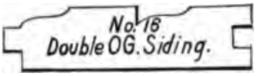
No. 40. *No. 50.* No. 60. No. 70. No. 80. No. 90. No. 100.

Ciphers for pickets same as number under engraving.

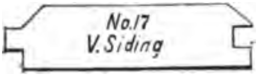
Dressed and Matched Drop Siding.



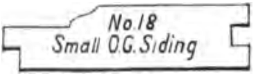
Cipher for No. 15, Coffee.



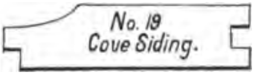
Cipher for No. 16, Collate.



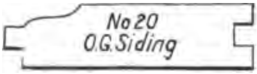
Cipher for No. 17, Collect.



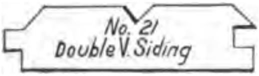
Cipher for No. 18, Colong.



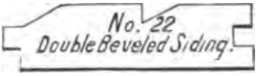
Cipher for No. 19, Combat.



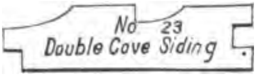
Cipher for No. 20, Comfort.



Cipher for No. 21, Command.

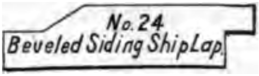


Cipher for No. 22, Comment.

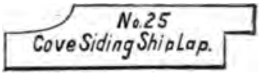


Cipher for No. 23, Commune.

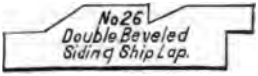
Ship Lap Drop Siding.



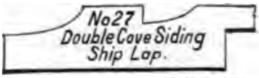
Cipher for No. 23, Compare.



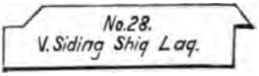
Cipher for No. 25, Compete.



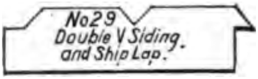
Cipher for No. 26, Compile.



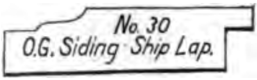
Cipher for No. 27, Complex.



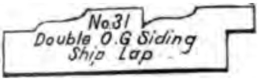
Cipher for No. 28, Concave.



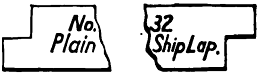
Cipher for No. 29, Conceal.



Cipher for No. 30, Concert.



Cipher for No. 31, Condole.



Cipher for No. 32, Condor.

NOTE—On pages 259 and 260 we give a few engravings of the kinds of siding, flooring, wainscoting, etc., in general use. When ordering from these engravings, give number of style you prefer, and page in BUYER AND SELLER. If you order by wire, give cipher only. If your stationer does not keep the BUYER AND SELLER.

Address

H. R. A. BAUGHMAN,
Indianapolis, Ind., U. S. A.

ESTIMATED FREIGHT ON LUMBER, LATH AND SHINGLES.

	Weight per M ft.	Rate 4¼	Rate 4½	Rate 4¾	Rate 5	Rate 5½	Rate 6	Rate 6½	Rate 7	Rate 7½	Rate 8	Rate 8½	Rate 9
Timber, Rough	2,500	1 05	1 13	1 19	1 25	1 38	1 50	1 63	1 75	1 88	2 00	2 13	2 25
Lumber, Rough	2,400	1 02	1 08	1 14	1 20	1 32	1 44	1 56	1 68	1 80	1 92	2 04	2 16
Lumber, Dressed	2,000	85	90	95	1 00	1 10	1 20	1 30	1 40	1 50	1 60	1 70	1 80
Lumber, D. & M.	1,800	77	81	86	90	1 00	1 08	1 17	1 26	1 35	1 44	1 53	1 62
Battens O. G.	1,500	65	68	71	75	83	90	98	1 05	1 13	1 20	1 28	1 35
Siding and ⅜ Ceiling	800	34	36	38	40	44	48	52	56	60	64	68	72
Shingles	250	11	12	13	13	14	15	16	18	19	20	21	22
Lath	500	22	24	26	26	28	30	32	35	38	40	42	44

	Weight per M ft.	Rate 9½	Rate 10	Rate 10½	Rate 11	Rate 11½	Rate 12	Rate 12½.	Rate 13	Rate 13½	Rate 14	Rate 14½	Rate 15
Timber, Rough	2,500	2 38	2 50	2 63	2 75	2 88	3 00	3 13	3 25	3 38	3 50	3 63	3 75
Lumber, Rough	2,400	2 28	2 40	2 52	2 64	2 76	2 88	3 00	3 12	3 24	3 36	3 48	3 60
Lumber, Dressed	2,000	1 90	2 00	2 10	2 20	2 30	2 40	2 50	2 60	2 70	2 80	2 90	3 00
Lumber, D. & M	1,800	1 71	1 80	1 89	1 98	2 07	2 16	2 25	2 34	2 43	2 52	2 61	2 70
Battens O. G.	1,500	1 43	1 50	1 58	1 65	1 73	1 80	1 88	1 95	2 03	2 10	2 18	2 25
Siding and ⅜ Ceiling	800	76	80	84	88	92	96	1 00	1 04	1 08	1 12	1 16	1 20
Shingles	250	24	25	26	28	29	30	31	33	34	35	36	38
Lath	500	47	50	52	55	58	60	63	65	68	70	73	75

	Weight per M ft.	Rate 15½	Rate 16	Rate 16½	Rate 17	Rate 17½	Rate 18	Rate 18½.	Rate 19	Rate 19½	Rate 20	Rate 20½	Rate 21
Timber, Rough	2,500	3 88	4 00	4 13	4 25	4 38	4 50	4 63	4 75	4 88	5 00	5 13	5 25
Lumber, Rough	2,400	3 72	3 84	3 96	4 08	4 20	4 32	4 44	4 56	4 68	4 80	4 92	5 04
Lumber, Dressed	2,000	3 10	3 20	3 30	3 40	3 50	3 60	3 70	3 80	3 90	4 00	4 10	4 20
Lumber, D. & M.	1,800	2 79	2 88	2 97	3 06	3 15	3 24	3 33	3 42	3 51	3 60	3 69	3 78
Battens O. G.	1,500	2 33	2 40	2 48	2 55	2 63	2 70	2 78	2 85	2 93	3 00	3 08	3 15
Siding and ⅜ Ceiling	800	1 24	1 28	1 32	1 36	1 40	1 44	1 48	1 52	1 56	1 60	1 64	1 68
Shingles	250	39	40	41	43	44	45	46	48	49	50	51	52
Lath	500	78	80	83	85	88	90	93	95	98	1 00	1 03	1 05

Rough Pickets same as Rough Lumber. Dressed Pickets same as Dressed Lumber.

F

BAUGHMAN'S BAND AND ROTARY LOG SCALES.

In presenting these scales to the buyer and seller of logs and lumber, we guarantee them to be correct, having given them an actual test on logs from 6 inches diameter upwards, cut by band, rotary and gang saws. An experience of many years in tallying lumber cut by the different saws mentioned, after it had been through the edger and trimmer, and a comparison of the lumber scale with the log scale, as shown by the different systems of log scaling, has shown a difference in favor of the lumber scale of from 20 feet to over 300 feet, except by the system shown on the next three pages.

How we Arrrive at the Amounts Given.

In the first place, logs are not cut to waste as they were a few years ago. Then the ideal sawyer was the one who could cut the greatest number of logs into lumber and waste, without regard to quality or manufacture; at the present time, and, we hope, for all time to come, the "boss" sawyer is the one who can run his saw straight, cut all the lumber he can and do it well, slab light, and who is conversant with the different grades of lumber, so as to cut the logs to the best advantage. We claim that a four inch face on straight logs is all that should be left when the slab is taken off, as there is more money in lumber than in wood or lath. The following scales are figured on this basis. The scales are also figured for plump inch, as lumber cut to that thickness will surface one side, when seasoned, to ⅞ strong, which is the standard thickness to-day. The band saw scale is figured on light ⅛ inch kerf, and the rotary scale on light ¼ inch, as the filer who cannot file, and the sawyer who cannot saw on these kerfs has no grand future before him in the lumber business.

It will be noticed, the number of feet does not always increase in the same ratio that the diameter of logs increase. For instance: A log 12 inches in diameter and 12 feet long, band saw scale, has 84 feet; one of 13 inches in diameter and 12 feet long has 102 feet, a difference of 18 feet; while a log of 14 inches in diameter 12 feet long, has 117 feet, a difference of only 15 feet, as between logs 13 and 14 inches in diameter, and three feet less than the difference between logs 12 and 13 inches in diameter. The reason for this is as follows, as a test will prove: Logs increasing their diameters in inches of course gain only one-half an inch all around for every added inch to the diameter; and, as will be the case in cutting into inch boards (as all log rules are figured), there is not enough log left on the outside to make an inch board. The next size being ½ inch larger all around, there is an inch board on each side more than on the log one inch smaller, besides the additional width on every board cut; and this makes the seeming unexplicable difference between logs of different diameters.

Logs scaled by either the band or rotary saw scale according to the kind of saw used (there is no difference between band and gang saw kerf), and timber estimated standing, will cut very close to the actual scale of the lumber. The way to test any log scale is to scale the log before sawing and then measure the lumber from the same log after it has passed through the edger and trimmer. Apply this test to these scales, not on one log only, but on different sizes and lengths, and you will be convinced of their accuracy.

The scales are given from 6 inches in diameter to 72 inches and from 12 to 32 feet in length, the 12 foot log being the basis. To get the contents of logs of odd lengths, take one-half the amount given for logs twice the length of same diameter. That is: for a 13 foot log, take half the amount in a 26 foot log of same diameter. For logs longer than shown here, double the amount shown for logs one-half the length desired, of same diameter. Or, multiply the length wanted by number of feet in a 12 foot log of same diameter and divide by 12. The same rule will apply to odd lengths.

How Logs should be Measured.

All logs, good, bad and indifferent, should be measured for full quantity, without any allowance whatever for defects. The variation in quality, by this rule, would then be evened by variation in price. The theory is that a lot of fairly good logs might be reduced in quantity to good wood, but a buyer would base his estimate of value from superficial appearances as a whole, and if he secured the logs would pay for perfect stock, at a reduced *price. In lumber*, culls are measured for full contents, and sold at about *one-half the price* of good stock. Why should not logs be measured the *same way?*

BAND SAW LOG SCALE.

Diameter in Inches.	Length in Feet.											Diameter in Inches.
	12 Feet.	14 Feet.	16 Feet.	18 Feet.	20 Feet.	22 Feet.	24 Feet.	26 Feet.	28 Feet.	30 Feet.	32 Feet.	
6	15	17	20	22	25	27	30	32	35	37	40	6
7	26	30	34	39	43	47	52	56	60	65	69	7
8	31	36	41	46	51	56	62	67	72	77	82	8
9	46	53	61	69	76	84	92	99	107	115	122	9
10	55	64	73	82	91	100	110	119	128	137	146	10
11	70	81	93	105	116	128	140	151	163	175	186	11
12	84	98	112	126	140	154	168	182	196	210	224	12
13	102	119	136	153	170	187	204	221	238	255	272	13
14	117	136	156	175	195	214	234	253	273	292	312	14
15	136	158	181	204	226	249	272	294	317	340	362	15
16	157	183	209	235	261	287	314	340	366	392	418	16
17	182	212	242	273	303	333	364	394	424	455	485	17
18	203	236	270	304	338	372	406	439	473	507	541	18
19	232	270	309	348	386	425	464	502	541	580	618	19
20	255	297	340	382	425	467	510	552	595	637	680	20
21	276	322	368	414	460	506	552	598	644	690	736	21
22	313	365	417	469	521	573	626	678	730	782	834	22
23	336	392	448	504	560	616	672	728	784	840	896	23
24	375	437	500	562	625	687	750	812	875	937	1000	24
25	428	499	570	642	713	784	856	927	998	1070	1141	25
26	443	516	590	664	738	812	886	959	1033	1107	1181	26
27	496	578	661	744	826	909	992	1074	1157	1240	1322	27
28	515	600	686	772	858	944	1030	1115	1201	1287	1373	28
29	560	653	746	840	933	1026	1120	1213	1306	1400	1493	29
30	593	691	790	889	988	1087	1186	1284	1383	1482	1581	30
31	636	742	848	954	1060	1166	1272	1378	1484	1590	1696	31
32	675	787	900	1012	1125	1237	1350	1462	1575	1687	1800	32
33	722	842	962	1083	1203	1323	1444	1564	1684	1805	1925	33
34	767	894	1022	1150	1278	1406	1534	1661	1789	1917	2045	34
35	822	959	1096	1233	1370	1507	1644	1781	1918	2055	2192	35
36	887	1034	1182	1330	1478	1626	1774	1921	2069	2217	2365	36
37	916	1068	1221	1374	1526	1679	1832	1984	2137	2290	2442	37
38	965	1125	1286	1447	1608	1769	1930	2090	2251	2412	2573	38
39	1018	1187	1357	1527	1696	1866	2036	2205	2375	2545	2714	39
40	1069	1247	1425	1603	1781	1959	2138	2316	2494	2672	2850	40
41	1130	1318	1506	1695	1883	2071	2260	2448	2636	2825	3013	41
42	1187	1384	1582	1780	1978	2176	2374	2571	2769	2967	3165	42
43	1236	1442	1648	1854	2060	2266	2472	2678	2884	3090	3296	43
44	1309	1527	1745	1963	2181	2399	2618	2836	3054	3272	3490	44
45	1362	1589	1816	2043	2270	2497	2724	2951	3178	3405	3632	45
46	1425	1662	1900	2137	2375	2612	2850	3087	3325	3562	3800	46
47	1492	1740	1989	2238	2486	2735	2984	3232	3481	3730	3978	47
48	1567	1828	2089	2350	2611	2872	3134	3395	3656	3917	4178	48
49	1630	1901	2173	2445	2716	2988	3260	3531	3803	4075	4346	49
50	1703	1986	2270	2554	2838	3122	3406	3689	3973	4257	4541	50
51	1778	2074	2370	2667	2963	3259	3556	3852	4148	4445	4741	51
52	1837	2143	2449	2755	3061	3367	3674	3980	4286	4592	4898	52
53	1910	2228	2546	2865	3183	3501	3820	4138	4456	4775	5093	53
54	1977	2306	2636	2965	3295	3624	3954	4283	4613	4942	5272	54
55	2046	2387	2728	3069	3410	3751	4092	4433	4774	5115	5456	55

See rotary log scale, page 164.

BAND SAW LOG SCALE.

Diameter in inches.	12 Feet.	14 Feet.	16 Feet.	18 Feet.	20 Feet.	22 Feet.	24 Feet.	26 Feet.	28 Feet.	30 Feet.	32 Feet.	Diameter in inches.
56	2131	2486	2841	3196	3551	3906	4262	4617	4972	5327	5682	56
57	2214	2583	2952	3321	3690	4059	4428	4797	5166	5535	5904	57
58	2305	2689	3073	3457	3841	4225	4610	4994	5378	5762	6146	58
59	2376	2772	3168	3564	3960	4356	4752	5148	5544	5940	6336	59
60	2449	2857	3265	3673	4081	4489	4898	5306	5714	6122	6530	60
61	2538	2961	3384	3807	4230	4653	5076	5499	5922	6345	6768	61
62	2611	3046	3481	3916	4351	4786	5222	5657	6092	6527	6962	62
63	2698	3147	3597	4047	4496	4946	5396	5845	6295	6745	7194	63
64	2778	3241	3704	4167	4630	5093	5556	6019	6482	6945	7408	64
65	2841	3314	3788	4261	4735	5208	5682	6155	6629	7102	7576	65
66	2986	3483	3981	4479	4976	5474	5972	6469	6967	7465	7962	66
67	3071	3582	4094	4606	5118	5630	6142	6653	7165	7677	8189	67
68	3157	3683	4209	4735	5261	5787	6314	6840	7366	7892	8418	68
69	3261	3804	4348	4891	5435	5978	6522	7065	7609	8152	8696	69
70	3355	3914	4473	5032	5591	6150	6710	7269	7828	8387	8946	70
71	3484	4064	4645	5226	5806	6387	6968	7548	8129	8710	9290	71
72	3550	4141	4733	5325	5916	6508	7100	7691	8283	8875	9466	72

ROTARY SAW LOG SCALE.

Diameter in inches.	12 Feet.	14 Feet.	16 Feet.	18 Feet.	20 Feet.	22 Feet.	24 Feet.	26 Feet.	28 Feet.	30 Feet.	32 Feet.	Diameter in inches.
6	13	15	17	19	21	23	26	28	30	32	34	6
7	24	28	32	36	40	44	48	52	56	60	64	7
8	31	36	41	46	51	56	62	67	72	77	82	8
9	36	42	48	54	60	66	72	78	84	90	96	9
10	53	61	70	79	88	97	106	114	123	132	141	10
11	62	72	82	93	103	113	124	134	144	155	165	11
12	79	92	105	118	131	144	158	171	184	197	210	12
13	90	105	120	135	150	165	180	195	210	225	240	13
14	109	127	145	163	181	199	218	236	254	272	290	14
15	124	144	165	186	206	227	248	268	289	310	330	15
16	145	169	193	217	241	265	290	314	338	362	386	16
17	164	191	218	246	273	300	328	355	382	410	437	17
18	183	213	244	274	305	335	366	396	427	457	488	18
19	210	245	280	315	350	385	420	455	490	525	560	19
20	233	271	310	349	388	427	466	504	543	582	621	20
21	254	296	338	381	423	465	508	550	592	635	677	21
22	287	334	382	430	478	526	574	621	669	717	765	22
23	308	359	410	462	513	564	616	667	718	770	821	23
24	343	400	457	514	571	628	686	743	800	857	914	24
25	372	434	496	558	620	682	744	806	868	930	992	25
26	405	472	540	607	675	742	810	877	945	1012	1080	26
27	436	508	581	654	726	799	872	944	1017	1090	1162	27
28	475	554	633	712	791	870	950	1029	1108	1187	1266	28
29	504	588	672	756	840	924	1008	1092	1176	1260	1344	29
30	542	632	722	813	903	993	1084	1174	1264	1355	1445	30
31	*584*	*681*	778	876	973	1070	1168	1265	1362	1460	1557	31

See explanation page 262.

ROTARY SAW LOG SCALE.

Diameter in inches.	Length in Feet.											Diameter in inches.
	12 Feet.	14 Feet.	16 Feet.	18 Feet.	20 Feet.	22 Feet.	24 Feet.	26 Feet.	28 Feet.	30 Feet.	32 Feet.	
32	617	719	822	925	1028	1131	1234	1336	1439	1542	1645	32
33	656	765	874	984	1093	1202	1312	1421	1530	1640	1749	33
34	701	817	934	1051	1168	1285	1402	1518	1635	1752	1869	34
35	740	863	986	1110	1233	1356	1480	1603	1726	1850	1973	35
36	791	922	1054	1186	1318	1450	1582	1713	1845	1977	2109	36
37	832	970	1109	1248	1386	1525	1664	1802	1941	2080	2218	37
38	857	999	1142	1285	1428	1571	1714	1856	1999	2142	2285	38
39	928	1082	1237	1392	1546	1701	1856	2010	2165	2320	2474	39
40	971	1132	1294	1456	1618	1780	1942	2103	2265	2427	2589	40
41	1032	1204	1376	1548	1720	1892	2064	2236	2408	2580	2752	41
42	1073	1251	1430	1609	1788	1967	2146	2324	2503	2682	2861	42
43	1128	1316	1504	1692	1880	2068	2256	2444	2632	2820	3008	43
44	1183	1380	1577	1774	1971	2168	2366	2563	2760	2957	3154	44
45	1230	1435	1640	1845	2050	2255	2460	2665	2870	3075	3280	45
46	1299	1515	1732	1948	2165	2381	2598	2814	3031	3247	3464	46
47	1342	1565	1789	2013	2236	2460	2684	2907	3131	3355	3578	47
48	1413	1648	1884	2119	2355	2590	2826	3061	3297	3532	3768	48
49	1474	1719	1965	2211	2456	2702	2948	3193	3439	3685	3930	49
50	1531	1786	2041	2296	2551	2806	3062	3317	3572	3827	4082	50
51	1612	1880	2149	2418	2686	2955	3224	3492	3761	4030	4298	51
52	1655	1930	2206	2482	2758	3034	3310	3585	3861	4137	4413	52
53	1730	2018	2306	2595	2883	3171	3460	3748	4036	4325	4613	53
54	1797	2096	2396	2695	2995	3294	3594	3893	4193	4492	4792	54
55	1870	2181	2493	2805	3116	3428	3740	4051	4363	4675	4986	55
56	1943	2266	2590	2914	3238	3562	3886	4209	4533	4857	5181	56
57	1996	2328	2661	2994	3326	3659	3992	4324	4657	4990	5322	57
58	2073	2418	2764	3109	3455	3800	4146	4491	4837	5182	5528	58
59	2138	2494	2850	3207	3563	3919	4276	4632	4988	5345	5701	59
60	2174	2536	2898	3261	3623	3985	4348	4710	5072	5435	5797	60
61	2298	2681	3064	3447	3830	4213	4596	4979	5362	5745	6128	61
62	2369	2763	3158	3553	3948	4343	4738	5132	5527	5922	6317	62
63	2462	2872	3282	3693	4103	4513	4924	5334	5744	6155	6565	63
64	2537	2959	3382	3805	4228	4651	5074	5496	5919	6342	6765	64
65	2620	3056	3493	3930	4366	4803	5240	5676	6113	6550	6986	65
66	2709	3160	3612	4063	4515	4966	5418	5869	6321	6772	7224	66
67	2784	3248	3712	4176	4640	5104	5568	6032	6496	6960	7424	67
68	2865	3342	3820	4297	4775	5252	5730	6207	6685	7162	7640	68
69	2948	3439	3930	4422	4913	5404	5896	6387	6878	7370	7861	69
70	3019	3522	4025	4528	5031	5534	6038	6541	7044	7547	8050	70
71	3076	3588	4101	4614	5126	5639	6152	6664	7177	7690	8202	71
72	3113	3631	4150	4669	5188	5707	6226	6744	7263	7782	8301	72

See explanation page 262.

HANDY THINGS TO KNOW.

To Know How Many Revolutions a Pulley Will Make.

To know how many revolutions a pulley will make, the speed of the shaft and size of the pulley from which it is driven must first be known. *Example* -If a shaft runs 150 revolutions with a 40" pulley into a 12, what is the speed of the 12"? Multiply the 150 by 40", and divide the result (6,000) by 12 and you get 500 as the speed of the smallest pulley. To know the size of a pulley that would be needed to drive the shaft a certain speed, for example: If a shaft makes 300 revolutions per minute with a 40" pulley, what size pulley would be required on a shaft you wish to make 200 revolutions per minute? Multiply the 300 by 40, equals 12,000, and divide by 200 and you get 60' as the size of the pulley required.

To Find Day of Week of Any Required Date.

To find the day of the week of any required date, divide the year by four; add the quotient, the year and the number of days from January 1 to and including the required date, always reckoning 28 days for February. Divide this product by 7, and the remainder will indicate the day of the week, calling Sunday 1, Monday 2, and so on. If there is no remainder, it fell on Saturday. The remainder (if any) after the first division, is not regarded.

Fence Board Table.

No. Boards High.	1 Mile.	½ Mile.	¼ Mile.
One	*2.640 feet.	1,329 feet,	660 feet.
Two	5,280 "	2,640 "	1,320 "
Three	7,920 "	3,960 "	1,980 "
Four	10,560 "	5.280 "	2,640 "
Five	13,200 "	6,600 "	3,300 "

*Board measure.

A Cheap Cement.

Into a solution of gum arabic stir plaster of paris until the mixture assumes the consistency of cream; apply it with a brush to the broken edges of china, and join them together. In three days the articles cannot be broken in the same place. The whiteness of the cement adds to its value.

Cold tea and tea leaves laid about the roots of potted plants fertilize and keep the soil light.

By using soda water as a wash you can clean ceilings that have been smoked by a kerosene lamp.

Cloths dipped into hot potato water are recommended for immediate and complete relief in the severest cases of rheumatism.

To remove scratches on furniture, melt together bees-wax and linseed oil and rub the marred places with it, using a woolen cloth.

To prevent creaking hinges, to make latches slide easy, and, indeed, to reduce any refractory ironwork to terms, the application of a soft lead pencil is equally as effective as oil. One clear advantage is that the use of a pencil for this purpose obviates the chances of soiling the hands or garments, while the annoyances is ordinarily removed by a very few touches of the pencil.

To make paper stick to a wall that has been whitewashed, wash in vinegar or saleratus water.

Results of Saving Small Amounts of Money.

The following shows how easy it is to accumulate a fortune, provided proper steps are taken. The table shows what would be the result at the end of fifty years by saving a certain amount each day and putting it at interest at the rate of 6 per cent.:

Daily Savings.	The Result.	Daily Savings.	The Result.
One cent	$950	Sixty cents	$57,024
Ten cents	9,504	Seventy cents	66,528
Twenty cents	19,006	Eighty cents	76,032
Thirty cents	28,512	Ninety cents	85,537
Forty cents	38,015	One Dollar	95,041
Fifty cents	47,520	Five Dollars	475,208

Nearly every person wastes enough in twenty or thirty years, which, if saved and carefully invested, would make a family quite independent, but the principle of small savings has been lost sight of in the general desire to get rich quickly.

Simple Interest Rules.

THREE PER CENT.—**Multiply the principal by the number of days to run and divide by 120.**

FOUR PER CENT.—Multiply the principal by the number of days to run; separate the right hand figure from the product and divide by 9.

FIVE PER CENT.—Multiply by number of days and divide by 72.

SIX PER CENT.—Multiply by number of days; separate right hand figure and divide by 6.

SEVEN PER CENT.—Multiply by number of days and divide by 52.

EIGHT PER CENT.—Multiply by number of days and divide by 45.

NINE PER CENT.—Multiply by number of days; separate right hand figure and divide by 4.

TEN PER CENT.—Multiply by number of days and divide by 36.

TWELVE PER CENT.—Multiply by number of days, separate right hand figure and divide by 3.

Relating to Notes.

DEMAND NOTES are payable on presentation without grace, and bear legal interest, after a demand has been made, if not so written. An endorser on a demand note is holden only for a limited time, variable in different States.

A NEGOTIABLE NOTE must be made payable either to bearer, or be properly endorsed by the person to whose order it is made. If the endorser wishes to avoid responsibility, he can endorse "without recourse."

A JOINT NOTE is one signed by two or more persons who each becomes liable for the whole amount.

THREE DAYS GRACE are allowed on all time notes, after the time for payment expires; if not then paid, the endorser, if any should be legally notified to be holden.

NOTES FALLING DUE SUNDAY or on a legal holiday, must be paid the day previous.

NOTES DATED ON SUNDAY are void.

ALTERING A NOTE in any manner by the holder makes it void.

NOTES GIVEN BY MINORS are void.

THE MAKER of a note that is lost or stolen is not released from payment if the amount and consideration can be proven.

NOTES OBTAINED BY FRAUD, or given by an intoxicated person, cannot be collected.

AN ENDORSER has a right of action against all whose names were previously on a note endorsed by him.

DEPOSITS OF MONEY IN A BANK placed to the credit of depositors are always subject to their check for full amount due.

To clean Mica.

As the **Mica** in stoves often becomes black and smoky, it is sometimes necessary to clean them. For this purpose, take the mica out and thoroughly wash it with Acetic Acid a little diluted. If the black does not come off at once, let them soak a little. Strong vinegar may be used instead of the acid, but it will not produce as good an effect.

To BRIGHTEN or clean silver or nickle plated-ware, rub with a wooled *cloth and flour.*

How to Measure Corn in Crib, Hay in Mow, Etc.

This rule will apply to a crib of any size or kind. Two cubic feet of good sound dry corn in the ear will make a bushel of shelled corn. To get then, the quantity of shelled corn in a crib of corn in the ear, measure the length, breadth and height of the crib inside the rail; multiply the length by the breadth, and the product by the height; then divide the product by two and you have the number of bushels of shelled corn in the crib.

To find the number of bushels of apples, potatoes, etc., in a bin, multiply the length, breadth and thickness together, and this product by 8 and and point off one figure in the product for decimals.

To find the amount of hay in a mow, allow 512 cubic feet for a ton and it will come out very generally correct.

Sizes of Boxes for Different Measures.

A box 24 inches long by 16 inches wide and 28 inches deep will contain a barrel or five bushels.

A box 24 inches long by 16 inches wide and 14 inches deep will contain half a barrel.

A box 16 inches square and 8 2-5 inches deep will contain one bushel.

A box 16 inches by 8 2-5 inches wide and 8 inches deep will contain half a bushel.

A box 8 inches by 8 2-5 inches square and 8 inches deep will contain one peck.

A box 8 inches by 8 inches square and 4 1-5 inches deep will contain one gallon.

A box 7 inches by 4 inches square and 4 4-5 inches deep will contain one-half gallon.

A box 4 inches by 4 inches square and 4 1-5 inches deep will contain one quart.

A box 4 feet long by 3 feet 5 inches wide and 2 feet 8 inches deep will contain one ton of coal.

Land Measure.

A township is 36 sections, each a mile square. A section is 640 acres. A quarter section, half a mile square, 160 acres. An eighth section, half a mile long north and south, and a quarter mile wide, is 80 acres. Sections are all numbered from 1 to 36, commencing at the northeast corner.

Shrinkage in Dimensions of Timber by Seasoning.

WOODS.	INCHES.	WOODS.	INCHES.
Pitch pine, South	18⅜ to 18¼	Cedar, Canada	14 to 13¼
Spruce	8½ to 8⅜	Elm	11 to 10¾
White pine, Am.	12 to 11⅞	Oak, English	12 to 11⅜
Yellow pine	18 to 17⅞	Pitch pine	10 x 10 to 9¾ x 9¾

Bricks Required for Wall of Various Thickness.

Number for each Square Foot of Facc of Wall.

Thickness of wall.		Thickness of wall.	
4 inch	7½	24 inch	45
8 "	15	28 "	52½
12 "	22½	32 "	60
16 "	30	36 "	67½
20 "	37½	42 "	75

Cubic Yard = 600 bricks in wall.
Perch (22 cubic feet) = 500 bricks in wall.
To pave 1 square yard on flat requires 41 bricks.
To pave one square yard on edge requires 68 bricks.

A cord of stone, 3 bushels of lime, and a cubic yard of sand, will lay 100 cubic feet of wall.

Five courses of brick will lay 1 foot in height on a chimney, 16 bricks in a course will make a flue 8 inches wide and 16 inches long, and 8 bricks in a course will make a flue 4 inches wide and 12 inches long.

Cement 1 bushel and sand 2 bushels, will cover 3½ square yards 1 inch thick, 4½ square yards, ¾ inch thick, 6¾ square yards, ½ inch thick, 1 bushel cement and 1 of sand will cover 2¼ square yards, 1 inch thick, 3 square yards, ¾ inch thick, and 4½ square yards, ½ inch thick.

Brick Required to Construct Any Building.

(Reckoning 7 brick to each superficial foot.)

Superficial Feet of Wall.	Number of Bricks to Thickness of					
	4 inch.	8 inch.	12 inch.	16 inch.	20 inch.	24 inch.
1	7	15	23	30	38	45
2	15	30	45	60	75	90
3	23	45	68	90	113	135
4	30	60	90	120	150	180
5	38	75	113	150	188	225
6	45	90	135	180	225	270
7	53	105	158	210	263	315
8	60	120	180	240	300	360
9	68	135	203	270	338	405
10	75	150	225	300	375	450
20	150	300	450	600	750	900
30	225	450	675	900	1,125	1,350
40	300	600	900	1,200	1,500	1,800
50	375	750	1,125	1,500	1,875	2,250
60	450	900	1,350	1,800	2,250	2,700
70	525	1,050	1,575	2,100	2,625	3,150
80	600	1,200	1,800	2,400	3,000	3,600
90	675	1,350	2,025	2,700	3,375	4,050
100	750	1,500	2,250	3,000	3,750	4,500
200	1,500	3,000	4,500	6,000	7,500	9,000
300	2,250	4,500	6,750	9,000	11,250	13,500
400	3,000	6,000	9,000	12,000	15,000	18,000
500	3,750	7,500	11,250	15,000	18 750	22,500
600	4,500	9,000	13,500	18,000	22,500	27,000
700	5,250	10,500	15,750	21,000	26,250	31,500
800	6,000	12,000	18,000	24,000	30,000	36,000
900	6,750	13,500	20,250	27,000	33,750	40,500
1000	7,500	15,000	22,500	30,000	37.500	45,000

Here are some figures and rules very handy to know and have at hand in the mind, or on paper.

A rod is 16½ feet, or 5½ yards.
A mile is 320 rods.
A mile is 1,760 yards.
A mile is 5,280 feet.
A square foot is 144 square inches.
A square yard contains 9 square feet.
A square rod is 272¼ square feet.
An acre contains 43,500 square feet.
An acre contains 4,840 square yards.
An acre contains 160 square rods.
A section, or square mile, contains 640 acres.
A quarter section contains 160 acres.
An acre is 8 rods wide by 20 rods long.
An acre is 10 rods wide by 16 rods long.
An acre is about 208¾ feet square.
A solid foot contains 1,728 solid inches.
A pint (of water) weighs one pound.
A solid foot of water weighs 62½ pounds.
A gallon (of water) holds 231 solid inches.
A gallon of milk weighs 8 pounds and 10 ounces.
A pint (of water) holds 28⅞ solid inches (28.875).
A barrel (31½ gallons) holds 4⅛ solid feet (4.311).
A solid foot contains nearly 7½ solid gallons (7.48).
A bushel (struck) contains 2,150 solid inches.
A bushel (heaping) contains 1¼ struck bushels.
A struck bushel contains about 1¼ solid feet.

To PREVENT flat-irons from scorching, wipe them on a cloth wet with *kerosene.*

Table Showing the Weights of Various Articles.

Barley	per bushel, 48 lbs.
Beans	per bushel, 60 lbs.
Buckwheat	per bushel, 50 lbs.
Broom Corn	per bushel, 46 lbs.
Blue Grass, Kentucky	per bushel, 14 lbs.
Blue Grass, English	per bushel, 24 lbs.
Clover Seed	per bushel, 60 lbs.
Corn, shelled	per bushel, 56 lbs.
Corn, on the ear	per bushel, 68 lbs.
Flax Seed	per bushel, 56 lbs.
Hemp Seed	per bushel, 44 lbs.
Hungarian Grass Seed	per bushel, 48 lbs.
Millet	per bushel, 50 lbs.
German Millet	per bushel, 50 lbs.
Oats	per bushel, 32 lbs.
Onions	per bushel, 57 lbs.
Osage Orange	per bushel, 33 lbs.
Orchard Grass	per bushel, 14 lbs.
Peas, hard	per bushel, 60 lbs.
Peas, wrinkled	per bushel, 56 lbs.
Potatoes, Irish	per bushel, 60 lbs.
Red Top Seed	per bushel, 14 lbs.
Rye	per bushel, 57 lbs.
Sweet Potatoes	per bushel, 56 lbs.
Timothy Seed	per bushel, 45 lbs.
Top Onions	per bushel, 28 lbs.
Turnips	per bushel, 55 lbs.
Wheat	per bushel, 60 lbs.

Quantity of Seed usually Sown upon an Acre.

Barley, broadcast	2 to 3 bushels.
Beans, Dwarf, in drills	1½ bushels.
Beans, Pole, in hills	10 to 12 quarts.
Beets, in drills	5 to 6 pounds.
Broom Corn, in hills	8 to 10 quarts.
Buckwheat	1 bushel.
Cabbage, in beds to transplant	¼ pound.
Carrot, in drills	3 to 4 pounds.
Chinese Sugar Cane	12 quarts.
Corn, in hills	8 to 10 quarts.
Corn, for soiling	3 bushels.
Cucumber, in hills	2 pounds.
Flax, broadcast	1½ bushels.
Hemp	1½ bushels.
Mustard, broadcast	½ bushel.
Melon, Musk, in hills	2 to 3 pounds.
Melon, Water, in hills	4 to 5 pounds.
Millet, broadcast	1 bushel.
Oats, broadcast	2 to 3 bushels.
Onion, in drills	5 to 6 pounds.
Onion, for sets, in drills	30 pounds.
Onion Sets, in drills	6 to 12 bushels.
Parsnips, in drills	4 to 6 pounds.
Peas, in drills	1½ bushels.
Peas, broadcast	3 bushels.
Potatoes, cut tubers	8 to 10 bushels.
Pumpkin, in hills	2 to 3 pounds.
Radish, in drills	8 to 10 pounds.
Rye, broadcast	1½ to 2 bushels.
Sage, in drills	8 to 10 pounds.
Salsify, in drills	8 to 10 pounds.
Spinach, in drills	10 to 12 pounds.
Squash, bush varieties	4 to 6 pounds.
Squash running varieties	3 to 4 pounds.
Tomato, to transplant	¼ pound.
Turnip, in drills	1½ to 2 pounds.
Turnip, broadcast	1 to 2 pounds.
hes, broadcast	2 to 3 pounds.
at, broadcast	1¼ to 2 bushels.

Grass Seeds to the Acre.

White Clover	7 to 10 pounds.
Red Clover	10 to 15 pounds.
Mammoth Clover	10 pounds.
Lucerne Clover	12 to 20 pounds.
Alsike Clover	4 to 6 pounds.
Timothy	12 pounds.
Hungarian Grass	1 bushel.
Blue Grass	1½ to 3 bushels.
Rye Grass	1½ to 2 bushels.
Orchard Grass	1½ to 2 bushels.
Red Top Grass	1½ to 2 bushels.
Mixed Lawn Grass	2 to 3 bushels.
Millet	1 bushel.
Clover and Timothy, mixed, each	8 to 10 pounds.

Quantity of Seeds Required for a given Number of Plants, Number of Hills, or Length of Drill,

Asparagus	1 oz. to 60 feet drill.
Beet	1 oz. to 50 feet drill.
Carrot	1 oz. to 150 feet drill.
Endive	1 oz. to 150 feet drill.
Okra	1 oz. to 40 feet drill.
Onion	1 oz. to 100 feet drill.
Parsley	1 oz. to 150 feet drill.
Parsnip	1 oz. to 200 feet drill.
Radish	1 oz. to 100 feet drill.
Salsify	1 oz. to 70 feet drill.
Spinach	1 oz. to 100 feet drill.
Turnip	1 oz. to 150 feet drill.
Cucumber	1 oz. to 50 hills.
Water-melon	1 oz. to 30 hills
Musk-melon	1 oz. to 60 hills
Early Squash	1 oz. to 50 hills.
Marrow Squash	1 oz. to 16 hills.
Cabbage	1 oz. to 3,000 plants.
Cauliflower	1 oz. to 3,000 plants.
Celery	1 oz. to 4,000 plants.
Egg Plant	1 oz. to 2,000 plants.
Lettuce	1 oz. to 4,000 plants.
Pepper	1 oz. to 2,000 plants.
Tomatoe	1 oz. to 2,000 plants.

The Number of Plants, Trees, Etc., Required to Set an Acre.

Distance.	*Number.*
1 foot by 1 foot	43,560
1½ feet by 1½ feet	19,360
2 feet by 2 feet	10,890
2½ feet by 2½ feet	6,970
3 feet by 1 foot	14,520
3 feet by 2 feet	7,260
3 feet by 3 feet	4,840
4 feet by 4 feet	2,722
5 feet by 5 feet	1,742
6 feet by 6 feet	1,210
9 feet by 9 feet	537
12 feet by 12 feet	302
15 feet by 15 feet	194
18 feet by 18 feet	134
20 feet by 20 feet	105
25 feet by 25 feet	70
30 feet by 30 feet	49
40 feet by 40 feet	27

For Plastering see pages 250 and 273.

Log rules for Rotary and Band Saw. Log scales at cost.

Address all orders to

H. R. A. **BAUGHMAN,**
Indianapolis, Ind., U. S. A.

How to Mix Printing Inks and Paints in the Preparation of Tints.

THE FIRST NAMED COLOR ALWAYS PREDOMINATES.

Mixing dark green and purple makes......Bottle green
" white and medium yellow makes......Buff tint
" red, black and blue makes......Dark brown
" bronze blue, lemon yellow and black makes......Dark green
" white, medium yellow and black makes......Drab tint
" white, lake and lemon yellow makes......Flesh tint
" lemon yellow and bronze blue makes......Grass green
" white and black makes......Gray tint
" white and purple makes......Lavender tint
" red, black and medium yellow makes......Maroon
" lake and purple makes......Magenta
" medium yellow and purple makes......Olive green
" medium yellow and red makes......Orange
" white, ultramarine blue and black makes......Pearl tint
" white and lake makes......Pink
" ultramarine blue and lake makes......Purple
" orange, lake and purple makes......Russet
" medium yellow, red and white makes......Sienna
" white and ultramarine blue makes......Sky blue
" red and black makes......Brown
" lake and white makes......Rose
" white and brown makes......Chestnut
" white, blue and lake makes......Purple
" blue and lead-color makes......Pearl
" white and carmine makes......Pink
" indigo and lamp black makes......Silver gray
" white and lamp black makes......Lead color
" black and Venetian red makes......Chocolate
" white and green makes......Bright green
" purple and white makes......French white
" light green and black makes......Dark green
" white and green makes......Pea green
" white and emerald green makes......Brilliant green
" red and yellow makes......Orange
" white and yellow makes......Straw color
" white, blue and black makes......Pearl gray
" white, lake and Vermillion makes......Flesh color
" umber, white and Venetian red makes......Drab
" white, yellow and Venetian red makes......Cream
" red, blue, black and red makes......Olive
" yellow, white and a little Venetian red makes......Buff

See also Paint and Painting, page 112.

To Mark Tools.

To mark tools, first cover the article to be marked with a thin coating of tallow or beeswax; then with a sharp instrument write the name in the tallow. Clear with a feather; fill the place written—the letters—with nitric acid; let it remain from one to ten minutes, then dip in water and rub off, and the marks will be etched in the steel or iron.

Number of Nails and Tacks Per Pound.

NAILS. SIZES.	Length Inches.	Nails in a Pound.	NAILS. SIZES.	Length Inches.	Nails in a Pound.	TACKS. NAME.	Length Inch.	No. per lb.
3d fine blued	1⅛	725	6d fence	2	80	1 oz.	⅛	16,000
3 common blued	1¼	400	8d "	2½	50	1½ "	3-16	10,666
4d " "	1½	300	10d "	3	30	2 "	¼	8,000
6d " "	2	150	12d "	3¼	27	2½ "	5-16	6,400
8d " "	2½	85	16d "	3½	20	3 "	⅜	5,333
10d " "	3	60	6d finishing	2	317	4 "	7-16	4,000
12d " "	3¼	50	8d "	2½	208	6 "	9-16	2,666
16d " "	3½	40	10d "	3	126	8 "	⅝	2,000
20d " "	4	20	6d clinchi'g	2	118	10 "	11-16	1,600
30d " "	4½	16	8d "	2½	80	12 "	¾	1,333
40d " "	5	14	10d "	3	45	14 "	13-16	1,143
50d " "	5½	11				16 "	⅞	1,000
60d " "	6	8				18 "	15-16	888
						20 "	1	800
						22 "	1 1-16	727
						24 "	1⅛	666

Nails are put up 100 pounds to the keg.

Carpenter's, Plasterer's, Painter's, Paper Hanger's and Bricklayer's Work.

To find length of rafters for the most common pitches for any given span (or width of building).

If ¼	pitch, multiply span by	.559	or 7-12 nearly.
If ⅓	" " "	.6	or 3-5 "
If ⅜	" " "	.625	or 5-8 "
If ½	" " "	.71	or 7-10 "
If ⅝	" " "	.8	or 4-5 "
If full	" " "	1-12	or 1⅛ "

To length of rafter thus obtained must be added the projection (if any).

Example—to obtain length of rafter required for building, span (or width), 20 feet, ½ pitch.

20 x 71 = 1,420, or 14 feet 2 inches, length of rafter required.
If projection of 14 in. is wanted, add 1 foot 2 inches.

15 feet 4 inches, leaving length to be purchased, 16 feet. (See engravings for rafters and patterns, pages 243 to 245.

To find how many square yards in a floor or wall, *multiply the length by the width or height and divide the product by 9.*

How many square yards in a floor 18 ft. long and 14 ft. wide; and how many yards of carpet, ¾ yard wide, will it take?

To divide by a fraction, multiply the number by the *denominator*, and divide the product by the *numerator*.

To multiply by a fraction, multiply by the *numerator* and divide by the *denominator*.

14 x 18 = 252 square feet.
9)252(28 square yards.
28
4
3)112(37⅓ yards carpet.
Ans. {28 square yards.
{37⅓ yards carpet.

Find how many square yards in the four walls and ceiling of a room 18 by 20, 11 feet high; and the cost of plastering the same at 15 cents per square yard.

The length of the *four* walls is (twice 20 and twice 18), 76 feet, which, multiplied by the height, gives the square feet in the walls. The length multiplied by the width, gives the square feet in the ceiling.

76 x 11 = 836 square feet in four walls.
18 x 20 = 360 square feet in ceiling.
9)1196(133 square yards nearly.
.15
Ans. $19.95 for plastering.

To find number of lath required for any size room, divide the square feet by 4, and multiply by 6¼, the answer thus obtained is the number pieces of lath required.

76 x 11 = 836 square feet in four walls
18 x 20 = 360 square feet in ceiling.
4)1196(299
6¼
1794
74¾
1868 pieces lath required for four walls and ceiling of a room 18 x 20, 11 feet high.

Note—For 4 inch patent lath add to square feet ¼, see page 108.
For 6 inch patent lath add to square feet ⅙, " "
See general index for painting, plaster, lath, shingles, siding, flooring, etc.

Number of Nails Required in Carpenter Work

To case and hang one door	¾ to 1¼ lbs.
To case one window	¾ to 1 lb.
To put up 1,000 feet rafters, joists, studding	2¾ to 3⅛ lbs.
To put on 1,000 feet lineal base	¾ to 1¼ lbs.
To put on 1,000 feet bevel siding	18 to 21 lbs.
To lay 1,000 feet 6 inch flooring, etc., etc	14 to 16 lbs.
To lay 1,000 feet 4-inch flooring, etc. etc	18 to 21 lbs.
To put on 1,000 feet 1-inch boards	24 to 30 lbs.
To lay 1,000 shingles	5 lbs. of 4d; 3¾ lbs of 3d.
To put on 1,000 lath	5¾ lbs. of 3d fine, or 5 lbs. of 2d.

NOTE.—As some use different size nails, or more or less number in putting up work, the number of pounds vary on same class of work. However the amounts given above will be found approximately correct.

See pages 249, 250 and 273 for further information on lath, plaster and whitewash.

See pages 105 and 249 for number of shingles to lay roof, etc., etc.

See page 108 for amount of flooring, siding, ceiling, ship lap, etc., etc., see general index for further information.

To Find Number Feet Line.

To find the number feet line it takes to make any number feet lumber board measure, use the tables from page 48 to 55, for lumber 4 to 24 feet, or page 26 for 8 feet, page 28 for 10 feet.

EXAMPLE.—To find number feet of line it takes to make 2008 feet, 8 feet long. Page 26 we find that it takes 251 in the margin to make 2008 feet or 251 feet line, 143 feet line. Page 50 for 14-foot boards we find makes 2002 feet. Many odd sizes not given in Buyer and Seller, may be found quickly by taking from or adding to sizes found in book thus: 2⅛ x 1=14 feet would be one-fourth number feet, in 1 x 10=14 feet 1 x 5=28, would contain same number feet as 1 x 10=14; 2 x 2 equals 1 x 4; 2 x 3 equals 1 x 6, etc.

To compute without the fraction deduct one-third as many feet as pieces when the fraction for one piece is one-third, but if the fraction be two-thirds add one-third as many feet as pieces.

WEIGHTS AND MEASURES.

Troy Weight.

By this weight gold, silver and jewels only are weighed.

NOTE—Grains and ounces same as apothecaries weight.

24 grains (gr.)	1 pennyweight (pwt.)
20 pennyweights	1 ounce (oz.)
12 ounces	1 pound (lb.)

Apothecaries Weight.

Is used by apothecaries and physicians in dispensing medicines not liquid.

20 grains	1 scruple.
3 scruples	1 dram.
8 drams	1 ounce.
12 ounces	1 pound.

Avoirdupois Weight.

Is the standard weight for weighing the greater portion of articles used in trade and commerce, such as groceries, produce, iron, coal, hay, etc., etc.

437½ grains (gr.)	1 ounce (oz.)
16 ounces	1 pound (lb.)
25 pounds	1 quarter (qr.)
4 quarters	1 hundred weight (cwt.)
20 cwt	1 ton (T.)

Wood Measure.

For measuring wood, stone, fencing, etc., etc.

16 cubic feet	1 cord foot.
8 cord feet, or 128 cubic feet	1 cord.
24¾ cubic feet	1 perch of stone or masonary.

Dry Measure.

Is used in measuring articles not fluid, such as seeds, vegetables, grains, fruit, salt, etc.

2 pints (pt.)	1 quart (qt.)
8 quarts	1 peck (pk.)
4 pecks	1 bushel (bu.)
36 bushels	1 ch'ldron (ch.)

Cubic or Solid Measure.

Used in measuring anything containing length, breadth, depth and thickness, such as stone, boxes, timber, bins, cisterns, etc.

1728 cubic inches (cu. in.)	1 cubic foot (cu. ft.)
27 cubic feet	1 cubic yard (cu. yd.)
40 cubic feet	1 ton of ship cargo.
50 cubic feet square timber	1 ton.

Liquid Measure.

Used in measuring liquids, such as liquors, vinegar, oils, etc., etc.

4 gills	1 pint.
2 pints	1 quart.
4 quarts	1 gallon.
31½ gallons	1 barrel.
2 barrels	1 hogshead.

Linear or Long Measure.

For measuring lengths, distances, etc.

12 inches	1 foot.
3 feet	1 yard.
5½ yards	1 rod.
16½ feet	1 rod.
320 rods	1 mile.

For measuring heights and distance.

3 inches	1 palm.
4 inches	1 hand.
9 inches	1 span.
3 3-10 feet	1 pace.

Miscellaneous Table.

12 units	1 dozen.
20 units	1 score.
12 dozen	1 gross.
12 gross	1 great gross.

Mariners' Measure.

Used by mariners in calculating distances on water and speed of vessels.

3 inches	1 palm.
8 spans, or 6 feet	1 fathom.
120 fathoms	1 cable's length.
7⅓ cables	1 mile or knot.
6080 feet nearly	1 mile or knot.
3 miles	1 league.

Surveyors' Long Measure.

For measuring boundaries of land, areas, railroads, canals, etc., etc.

7 92-100 inches	1 link.
25 links	1 rod.
4 rods	1 chain.
80 chains	1 mile.

Surface or Square Measure.

Used in ascertaining the extent of surfaces, such as land, boards, plaster, paving, etc.

144 square inches	1 square foot.
9 square feet	1 square yard.
30¼ sq. yards	1 sq. rod or perch.
160 square rods	1 acre.
640 square acres	1 square mile.

Surveyors' Square Measure.

Used for measuring the area or contents of fields, farms and government land, etc.

625 square links	1 pole.
16 poles	1 square chain.
10 square chains	1 acre.
640 acres	1 square mile.
36 sq. miles (6 miles sq.)	1 township.

Apothecaries' Fluid Measure.

Used in mixing liquid medicine by measure.

60 Minims (m)	1 fluid drachm, ƒʒ
8ƒʒ	1 fluid ounce, ƒ℥
16ƒ℥	1 pint, O. (Octarius.)
8 O	1 gallon (Cong. Congius.)

Miscellaneous Weights and Measures.

1 bbl. of flour	weighs	196 lbs.
1 bbl. of beef, pork or fish	"	200 "
1 bbl. of salt	"	280 "
1 bu. of salt	weighs	50 lbs.
1 bbl. of rice	"	600 "
1 firkin of butter	"	56 "

8 inches 1 palm, 4 inches 1 hand, 9 inches 1 span, 18 inches 1 cubit, 21.8 inches 1 Bible cubit, 2½ feet 1 military pace.

Shoemaker's Measure.

3 Barleycorns or sizes........................... 1 inch.

Number one, *children's measure*, is 4⅜ inches, and that every additional number calls for an increase of ⅓ of an inch in length. Number one, *adult's measure*, is 8½ inches long, with a gradual increase of ⅓ of an inch for additional numbers, so that, for example, number ten measures 11½ inches. This measure corresponds to the number of the *last*, and not to the length of the *sole*.

Measures of Capacity.

Dry—2,150.42 cubic inches equal 1 United States (or Winchester) bushel' the dimensions of which are 18½ inches diameter inside, 19½ inches outside and 8 inches deep; 2,747.70 cubic inches 1 heaped bushel, the cone of which must not be less than 6 inches high.

Liquids—231 cubic inches equal 1 United States standard gallon; 282 cubic inches 1 ale gallon; 31½ U. S. gallons 1 barrel; 42 gallons 1 tierce; 63 gallons 1 hogshead; 84 gallons 1 puncheon; 126 gallons 1 pipe; 252 gallons 1 ton.

Number of Feet in Miles of Different Countries.

	Feet.
Arabian	6,444
Bohemian	30,561
Brebant	18,246
Burgundy	18,594
Chinese Ills	1,884
Dutch	19,185
Danish	24,732
English (U. S.)	5,280
English geographical	6,075
Flemish	20,607
German geographical	24,300
Hamburg	24,732
Hanover	34,677
Hesse	31,641
Hungarian	27,339
French (art leagues)	14,580
French (marine)	18,235
Legal league, 2000 toises	12,789
Irish	9,114
Italian	6,225
Lutheran	29,252
Oldenburg	32,460
Persian paisang	18,253
Polish (short)	18,285
Polish (long)	24,303
Portuguese (leguos)	20,280
Prussian	25,404
Roman (ancient)	4,839
Roman (modern)	6,105
Russian (verst)	3,501
Saxon	29,715
Scotch	5,852
Silesian	21,249
Spanish (leguas)	13,890
Spanish (com)	22,248
Swiss	27,498
Swedish	35,112
Turkey	5,463

The Weight, Avoirdupois, of a Cubic Foot of Different Substances.

One Cubic Foot of	Weight lb.
Aluminum	166
Antimony, cast	409
Bismuth	613
Brass, cast	524
Brass	534¾
Bronze	534
Brick	125
Copper	555
Clay	135
Clay and stones	160
Coal (anthracite)	54
Coal (bituminous)	50
Charcoal (hardwood)	18½
Charcoal (pine)	18
Cork	15
Granite	165
Gold	1,203
Gold, 24 karat	1,208
Gun-metal	528
Glass	180
Iron (wrought)	486¾
Iron (cast)	450½

One Cubic Foot of	Weighs lb.
Ice	58
Lead	708¾
Lead, rolled	711
Loose earth or sand	95
Marble	171
Mercury	848
Platinum	1,218
Platinum, sheets	1,436
Soil (common)	124
Soil (strong)	127
Sand	95
Silver	654
Silver, standard	644
Steel	490
Tallow	59
Tin	456
Water (pure)	62½
Water (sea)	64⅛
Wood (oak)	55
Wood (yellow pine)	42
Wood (white pine)	30
Zinc	[illegible]

Standard Weights of United States Coins.

		Grains.			Grains.
Double Eagle	$20, gold,	516	Trade Dollar	silver	420
Eagle	10, "	258	One Dollar	"	412.5
Half Eagle	5, "	129	Half Dollar	"	192.9
Quarter Eagle	2½, "	65.5	Quarter Dollar	"	96.45
Three Dollars	"	77.4	Twenty Cents	"	77.16
One Dollar	"	25.8	Dime	"	38.58

5 cents copper nickel	77.16 Grains.
3 " " "	30. "
1 " bronze	48. "

U. S. gold and silver coins are 9-10 fine.

Cloth Measure.

2¼ inches 1 nail, 4 nails 1 quarter, 4 quarters 1 yard.

How to Measure Land.

A square acre is about 208 feet 8½ inches on every side.

In order to lay out one acre of land four times as long as the width, the length must be 417 feet 5 inches, and the width 104 feet 4 inches.

Twenty feet front and 2,187 feet deep is one acre.

Twenty-five feet front and 1,742¼ feet deep is one acre.

Thirty-three feet front and 1,320 feet deep is one acre.

Forty feet front and 1,089 feet deep is one acre.

Fifty feet front and 876½ feet deep is one acre.

One hundred feet front and 435⅗ feet deep is one acre.

In one square acre there are 43,560 superficial feet.

A strip one rod wide and one mile long is two acres. By this it is easy to calculate the quantity of land taken up by roads and also how much is wasted by fences.

Acre.

The following gives the comparative size, in square yards, of acres in different countries;

English acre, 4840 square yards; Scotch, 6150; Irish, 7840; Hamburg, 11,545; Amsterdam, 9722; Dantzic, 6650; France, (hectare), 11,960; Prussia, (morgen), 3053.

This differenee should be borne in mind in reading of the products per acre in different countries. Our land measure is that of England.

Cubic Measure.

A load of earth contains a cubic yard and weighs about 3,250 pounds.

Railway and transportation companies estimate light freight by the number of cubic feet it occupies, but heavy freight is estimated by weight.

A pile of wood 4 feet wide, 4 feet high and 8 feet long contains 1 cord; and a cord foot is 1 foot in length of such a pile.

A perch of stone or masonry is 16½ feet long, 1½ feet wide and 1 foot high, and contains 24¾ cubic feet.

A brick is usually 8 inches long, 4 inches wide and 2 inches thick; hence 27 bricks make a cubic foot.

Measurement of Wall Paper.

Wall paper is sold only by the roll, any part of roll being counted as a whole. American wall paper is 18 inches wide, 24 feet in single roll and 48 feet in double roll. To find the number of rolls required for any sized room, reduce walls and ceilings to square feet, deduct square feet in doors and windows and divide by 36; the answer is number of single rolls required.

Shortest and Longest Days of the Year.

The middle day in spring is the 22nd day of March, then the days and nights are each twelve hours long. The middle day in summer is the 22nd day of June when the days are the longest. The day is shortest on the 22nd of December. On the 22nd of September the days and nights are equal.

Value of a Ton of Silver and a Ton of Gold.

The value of a ton of Silver is $37,704.87.

$1,000,000 silver coin weigh 58,929.9 pounds avoirdupois.

The value of a ton of pure Gold is $602,799.22.

$1,000,000 gold coin weigh 3,685.8 pounds avoirdupois.

A million dollars, it is said, will weigh 1¾ tons in gold, 25 tons in subsidiary silver coin, 26¾ tons in standard silver coin, and 100 tons in nickel.

Comparative Strength of Timber and Cast Iron.

Table showing the transverse strength of timber and of cast iron one foot long and one inch square:

Material.	Breaking Wt. lbs.	Wt. borne with safety, lbs.
Ash, seasoned	175	105
Chestnut, seasoned	170	115
Hickory, seasoned	270	200
White oak, seasoned	240	196
White pine, seasoned	135	95
Yellow pine, seasoned	150	100
Iron (cast)	5781	4000

Degrees of Cold above Zero at which the Following Substances Freeze.

Milk	30
Water	32
Olive Oil	36
Spirits of Turpentine	14
Wines	20
Vinegar	28

Degrees below Zero at which the Following Freeze.

Brandy	7
Proof Spirit	7
Mercury	40
Greatest artificial cold	200
Cold experienced by Arctic navigators	70

Degrees of Heat above Zero at which the Following Substances Boil.

Alcohol	173
Water	212
Petroleum	306
Linseed Oil	640
Blood Heat	98
Eggs Hatch	104

Harvests of the World.

January is the harvest month in Australia, New Zealand, Chili, and Argentine Republic.

February and March in East India and Upper Egypt.

April in Lower Egypt, Syria, Cyprus, Persia, Asia Minor, India, Mexico, and Cuba.

May in Tunis, Algeria, Central Asia, China, Japan, Morocco, Texas and Florida.

June in Turkey, Greece, Italy, Spain, Portugal, the South of France, California, Oregon, Louisiana, Mississippi, Alabama, Georgia, Carolina, Tennessee, Virginia, Kentucky, Kansas, Arkansas, Utah, Colorado, Missouri and Southern Maryland.

July in Roumania, Bulgaria, Austro-Hungaria, the South of Russia, Germany, Switzerland, France, the South of England, Nebraska, Iowa, Illinois, Indiana, Michigan, Ohio, New York, New England, and Western Maryland.

August in Belgium, Holland, Great Britain, Denmark, Poland, Minnesota, Wisconsin, Dakota, Montana, Canada, Columbia, and Manitoba.

September and October in Scotland, Sweden, Norway, and North Russia.

November in Peru and South Africa.

December in Burmah.

Business Maxims.

Endeavor to be perfect in the calling in which you are engaged.

Think nothing insignificant which has a bearing upon your success.

There is more in the use of advantages than in the measure of them.

Make no investments without a full acquaintance with their nature and condition; and select such investments as have intrinsic value.

Of two investments, choose that which will best promote your regular business.

Become known—and favorably known.

Never refuse a choice when you can get it.

Goods well bought are half sold.

Goods in store are better than bad debts.

Nothing valuable is lost by civility.

By prosecuting a useful business energetically, humanity is benefited.

Keep accurate accounts, and know the exact condition of your affairs.

Be economical; a gain usually requires expense; what is saved is clear.

Reality makes no allowances for wishes or bad plans.

To reduce any size piece of lumber to feet, multiply length, breadth and *thickness together* and divide by twelve. All lumber less than 1 inch in thick*ness is considered* inch lumber in measuring.

Strength of Ice of Various Thicknesses.

Good clear ice two inches thick will bear men to walk on.

Good clear ice four inches thick will bear horses and riders.

Good clear ice six inches thick will bear horses and teams with moderate loads.

Good clear ice eight inches thick will bear horses and teams with very heavy loads.

Good clear ice ten inches thick will sustain a pressure of 1000 pounds per square foot.

To Remove Panes of Glass.

A safe and easy method is to apply soft soap to the putty, which, in a few hours, will soften it.

Transparent Mucilage.

A transparent mucilage of great tenacity may be made by mixing rice flour with cold water and letting it simmer over the fire.

The Marks and Rules in Punctuation, Accent, Etc.

1. The Comma (,) denotes a slight pause, and divides a sentence into its component parts.
2. The Semicolon (;) indicates a longer pause, and also divides compound sentences.
3. The Colon (:) is placed between the chief divisions of a sentence, when these are but slightly connected.
4. The period (.) denotes the close of a sentence.
5. The Dash (—) indicates a sudden change of subject.
6. The Interrogation point (?) is used when a question is asked.
7. The Exclamation point (!) denotes wonder or astonishment.
8. The Parenthesis ( ) includes something not essential to the sense.
9. Quotation marks (“ ”) indicates a verbatim quotation.
10. The Hyphen (-) connects the syllables, or parts of a word.
11. The Caret (^) denotes that some letter, word or phrase has been omitted.
12. The Brackets [ ] are chiefly used to denote corrections.
13. The Ellipsis (* * *) (——) denotes the omission of letters or words.
14. The Index (☞ points to something of special significance.

The Stars (⁂) or N. B., are used for a similar purpose.

The Brace ({) connects several words with one common term.

The Paragraph (¶) begins a new subject.

The Section (§) is used to sub-divide chapters.

Leaders (....) are used in indexes, leading the eye to the end of the line, for the completion of the sense.

Arithmetical Signs and Their Signification.

=	Sign of Equality, and signifies		as 4+12=16.
+	“ Addition,	“	as 8+ 8=16 the sum.
—	“ Subtraction,	“	as 12— 4= 8 the remainder.
×	“ Multiplication,	“	as 12× 3=36 the product.
÷	“ Division,	“	as 24÷ 3= 8 or $\frac{24}{3}$=8.
√	“ Square Root,	“	Evolution or Extraction of Square Root.
6^2	Sign of to be Squared,	“	thus $8^2=64$ Involution, or
7^3	“ to be Cubed,	“	thus $3^3=27$ the Raising of

Weights of Metals without Weighing.

Wrought Iron.—Find the number of cubic inches in the piece, multiply them by .2816. The product will be in pounds.

Cast Iron.—Multiply the number of cubic inches by .2607.

Copper.—Multiply the number of cubic inches by .3242.

Lead.—Multiply the number of cubic inches by .41015.

Brass.—Multiply the number of cubic inches by .3112.

Few persons know what is meant by a "size" in the matter of coats, shoes, etc. A size in a coat is an inch, a size in underwear is two inches, a size in a sock is one inch, in a collar one-half an inch, in a shirt one-half an inch, in shoes one-sixth of an inch, trousers one inch, gloves one-quarter of an inch, and hats one-eighth of an inch.

In battle or business whatever the game,
In law or in love it is ever the same;
In the struggle for power, or scramble for pelf,
Let this be your motto—Rely on yourself!
For whether the prize be a ribbon or throne,
The victor is he who can " go it alone!"

U. S. Money.

10 mills	1 cent.
10 cents	1 dime.
10 dimes	1 dollar.
10 dollars	1 eagle.

Note—The mill is not coined.

Circular Measure.

Used in astronomy, geography, navigation and surveying: also for calculating the differences of time.

60 seconds (″)	1 minute.
60 minutes (′)	1 degree (°).
30°	1 sign (s).
12s or 360°	1 circle (c)

Measurement of Time.

TABLE.

60 seconds	1 minute.
60 minutes	1 hour.
24 hours	1 day.
7 days	1 week.
28 days	1 lunar month
28, 29, 30 or 31 days	1 cal. month.
12 cal. months	1 year.
365 days	1 com. year.
366 days	1 leap year.
365¼ days	1 Julian year.
365 d., 5 h., 48 m., 49 s	1 solar year.
365 d., 6 h., 9 m., 12s	1 siderial year.
10 years	1 decade.
10 decades or 100 years	1 centuary.

Measurement of Time.

The greatest distance across the circle is called its diameter. The distance around it is called its *circumference*. Any part of the circumference is called an *arc*.

Longitude and Time.

TABLE.

For a difference of	There is a difference of
1° in Long.	4 m. in Time.
1′ "	4 sec. "
1″ "	1-15 sec.
1 hr. in Time	15° in Long.
1 m. "	15′ "
1 sec. "	15″ "

NOTE. *Add* difference of time for places *east* and subtract it for places *west* of any given place.

How to Ascertain the Difference of Time between Cities.

BASIS OF CALCULATION.

360 degrees=1 revolution of the earth, or 1 day.
1440 minutes=1 revolution of the earth, or 1 day.
1440÷360=4 minutes, or 1 degree.

Refer to your map and notice the difference in degrees of longitude between places. Multiply the number of degrees by 4; the product will be the difference in time.

Degrees of Longitude East, time increases.
Degrees of Longitude West, time decreases.

PROBLEM.

When it is 12 o'clock noon at Washington, what time is it at Boston? Ans. 12:24.

Per map, difference in degrees, 6 east, which increase the time 6 x 4=24 differences in time, or 24 minutes past 12.

Writing Papers, folded.

Name.	Size, In.	Name	Size, In.
Billet Note	6 x 8	Letter	10 x 16
Octavo Note	7 x 9	Commercial Letter	11 x 17
Commercial Note	8 x 10	Packet Post	11½ x 18
Packet Note	9 x 11	Ex. Packet Post	11½ x 18½
Bath Note	8½ x 14	Foolscap	12½ x 16

Paper and Books.

24 sheets	1 quire.	2 reams	1 bundle.
20 quires	1 ream.	5 bundles	1 bale.

Printing Paper.

Used in printing newspapers and books.

Name.	Size, In.	Name.	Size, In.
Medium	19 x 24	Double Medium	24 x 38
Royal	20 x 25	Double Royal	26 x 40
Super Royal	22 x 28	Double Super Royal	28 x 42
Imperial	22 x 32	Double Super Royal	29 x 43
Medium-and-half	24 x 30	Broad Twelves	23 x 41
Small Double Medium	24 x 36	Double Imperial	32 x 46

Writing Papers, Flat Cap.

Name.	Size, In.	Name.	Size, In.
Law Blank	13 x 16	Medium	18 x 23
Flat Cap	14 x 17	Royal	19 x 24
Crown	15 x 19	Super Royal	20 x 28
Demy	16 x 21	Imperial	22 x 30
Folio Post	17 x 22	Elephant	22¼ x 27¾
Check Folio	17 x 24	Columbia	23 x 33¼
Double Cap	17 x 28	Atlas	26 x 33
Ex. Size Folio	19 x 23	Doub. Elephant	26 x 40

Books.

Names and sizes as classified by printers, the number of folds and pages in a single sheet when manufactured.

Name of book.	When a sheet is folded into leaves.	Contain.
Folio	2 leaves	4 pages.
Quarter or 4to	4 "	8 "
Octavo or 8vo	8 "	16 "
Duodecimo or 12 mo	12 "	24 "
16 mo	32 "	64 "
18 mo	18 "	36 "
24 mo	24 "	48 "
32 mo	32 "	64 "

Carrying Capacity of Freight Cars.

28 and 30 ft. cars	minimum 16 to 18,000 lbs., maximum 28 to 30,000 lbs.
32 to 36 ft. cars	minimum 20 to 24,000 lbs., maximum 40 to 60,000 lbs.

Capacity of cars is always marked on the side of car, also the weight of car. If the weight of car (empty) is 20,000 lbs. and capacity of car 40,000 lbs., if loaded to full capacity, total weight would be 60,000 lbs. Minimum weight is always charged for; over minimum weight at same ratio. About 140,000 dry shingles, 70,000 dry lath, 16,500 feet dry rough pine lumber are the usual loads for 40,000 capacity cars; hardwood lumber, rough, one-third less.

Sizes.

A "size" in a coat is an inch; a "size" in underwear is two inches; in hosiery, half an inch; in a collar half an inch; in a white shirt half an inch; in boots and shoes one sixth of an inch; in drawers one inch; gloves one-quarter inch; hats one-eighth inch.

Woods of United States.

The strongest wood in the United States is the nutmeg hickory of Arkansas; the weakest is the West Indian birch; the most elastic is the tamarack; the best for fuel is the blue wood of Texas; the hardest and toughest is the hickory; and the softest is the white pine.

Estimated Weights of Lumber.

(Per M feet, Board Measure.)

For Short Leaf Pine District.

	Pounds.
Flooring, 13-16, Drop Siding and Moulded Casing	2,000
Flooring, ⅞x4	2,100
" ⅞x6	2,200
Ceiling, ⅜	1,000
" ½	1,300
" ⅝	1,500
" ¾	1,900
Siding from 1-inch stock	1,000
" " 1¼-inch stock	1,250
Moulded Base	2,250
Finish, inch, S 2 S	2,600
" 1¼, 1½ and 2-inch, S 2 S	2,700
" 1, 1¼, 1½ and 2-inch, rough	3,000
Boards, S 1 S	2,600
" rough	3,200
Fencing, S 1 S	2,600
" rough	3,200
2x4, 2x6 and 2x8, S & E, to 1⅝	2,400
2x4, 2x6 and 2x8, rough	3,200
2x10 and 2x12, S & E, to 1⅝	2,600
2x10 and 2x12, rough	3,200
2x14 and 3x12, S & E	2,800
2x14 and 3x12, rough	3,500
4x4 and 6x6, S & E	2,700
4x4 and 6x8, rough	3,500
8x8 and over, rough	4,000

For Long Leaf Pine District.

	Pounds.
Flooring, 13-16	2,300
Ceiling, ⅜ inch	1,000
" ½ "	1,300
" ⅝ "	1,600
" ¾ "	2,000
Bev. Siding from inch stock	1,000
" " 1¼-inch stock	1,500
Drop " " 13-16, 6-inch stock	2,300
Moulded Casings and Base	2,300
Finishing, S 2 S	2,800
Common Boards and Fencing, S 1 S or 2 S	2,800
Common Boards and Fencing, rough	3,200
2x4, 2x6 and 2x8, S 1 S & 1 E, to 1⅝	2,600
2x4, 2x6 and 2x8, rough	3,200
2x10 and 2x12, S 1 S & 1 E, to 1⅝	2,800
2x10 and 2x12, rough	3,400
4x4 and 4x6, S 1 S & 1 E	3,000
4x4 and 4x6, rough	3,800
6x6, 6x8 and 8x8, S 1 S & 1 E	3,600
6x6, 6x8 and 8x8, rough	4,000
8x10 and over, rough	4,000

Schedule "B" is to be used in making delivered prices above the 22-cent rate.

INDIANA, ILLINOIS, MISSOURI. (HARDWOOD.)

	Green. Pounds.	Dry. Pounds.
Gum	4,800	3,250
Ash	4,750	3,600
White Oak	5,750	4,200
Hickory	5,500	4,000
Walnut	5,000	3,500
Chestnut	4,800	3,250
Flooring		2,500

	Green. Pounds.	Dry. Pounds.
Cypress	4,600	3,300
Beech	5,000	4,000
Cherry	5,000	3,500
Poplar	3,800	2,750
Fence Lath	1,750	1,250
Red Oak	5,800	4,000

Estimate on Logs ½ more than Green Lumber of same kind of wood.

NOTE.—Lumber from same kinds of wood, often from same section of country, will vary from a few pounds to one hundred pounds or more. The above estimates will be found approximately correct.

Estimated Weights of Lumber--Continued.

TENNESSEE (Central South.)

	Pounds.
Rough Poplar, ⅜ inch	1,050
“ “ ½ “	1,400
“ “ ⅝ “	1,650
“ “ ¾ “	2,100
“ “ 1 “	2,800
Boards and Planks 1 inch and thicker, S 2 S	2,250
⅜ inch Panel, Rough	1,050
½ “ “ “	1,400
⅝ “ “ “	1,650
¾ “ “ “	2,100
White Oak	3,800
Red “	3,396
Black Walnut	3,176
White “	2,121
Cherry	3,023
Ash (swamp or black)	3,400
Ash, white	3,000
Black Birch	3,131
Beech	3,741
Maple	3,783
Hickory	3,000

	Pounds.
Pine Shingles	240
Worked Poplar, Beveled Siding	900
Drop or Patent Siding	2,000
⅜ inch Ceiling	900
½ “ “	1,200
⅝ “ “	1,500
⅞ “ “	2,000
⅜ “ Panel, Dressed	1,000
½ “ “ “	1,300
⅝ “ “ “	1,600
1 inch or ⅞ inch dressed to ¾	2,000
Basswood (Lime)	2,350
Rock Elm	3,613
Norway Pine	2,521
White Pine	2,900
Yellow Pine, short leaf	2,826
“ “ long leaf	3,800
Cypress	2,300
Redwood	2,185
Gum	3,070
Dry Lath	500
Cedar Shingles	200

VIRGINIA, NORTH CAROLINA, GEORGIA.

Pine.	Dry. Pounds.
⅜ inch Ceiling	1,000
½ “ “	1,250
⅞ “ Flooring	2,300
1⅛ “ “	2,400
⅞ “ Boards, S 2 S	2,500
1⅛ “ “ “	2,700
1⅜ “ “ “	2,800
1⅞ “ “ “	3,000
1 “ Rough	3,100
1¼ “ “	3,200

Pine.	Dry. Pounds.
1½ inch, Rough	3,400
2 “ “	3,500
1 “ Cypress, Rough	2,500
1¼ “ “ “	2,700
1½ “ “ “	3,000
2 “ “ “	3,200
Ga. Pine Timber, Rough, Green	4,300
N. C. “ “ “ “	4,200
All width Boards, S 2 S	2,750
Bevel Siding	1,000

WASHINGTON AND PACIFIC COAST.

	Pounds.
1 inch Fir, Rough	2,200
1 “ Cedar, Rough	2,300
1 “ “ Finished	2,000
Lath	700

	Pounds.
1 inch Pine, Rough	2,200
1 “ Fir, Flooring	2,000
1 “ “ Finish	2,200
A Shingles	200

TEXAS PINE.

	Dry. Pounds.
Flooring, 13-16x4	2,100
“ 13-16x6	2,300
Ceiling, ⅜ inch	1,000
“ ½ “	1,300
“ ⅝ “	1,600
“ ¾ “	2,000
Bev. Siding from inch stock	1,000
“ “ “ 1¼ inch stock	1,500
Drop “ “ 1 inch stock	2,000
Moulded Casings	2,000
Moulded Base	2,300
Finishing, S 1 S or S 2 S	2,800
Common Boards and Fencing, S 1 S	2,800
Common Boards and Fencing, rough	3,200
2x4, 2x6 and 2x8, S 1 S and 1 E, to 1⅝	2,600
2x4, 2x6 and 2x8, rough	3,200

	Dry. Pounds.
2x10 and 2x12, S 1 S and 1 E, to 1⅝	2,800
2x10 and 2x12, rough	3,400
4x4 and 4x6, S 1 S & 1 E	3,000
4x4 and 4x6, rough	4,000
6x6, 6x8 and 8x8, S 1 S and 1 E	3,800
6x6, 6x8 and 8x8, rough	4,000
8x10 and over, rough	4,000
Flat Dressed and Headed Pickets, Mixed	2,000
Flat Dressed and Headed Pickets, Heart	2,500
Flat Rough Headed Pickets, Heart and Mixed	3,000
Square Pickets, from 1¼ x 1¼, Mixed	2,500
Square Pickets, from 1¼ x 1¼, Heart	2,800

Estimated Weights of Lumber--Continued.

NEW YORK AND EASTERN STATES.

	Air Dried. Pounds.	Kiln Dried. Pounds.		Air Dried. Pounds.	Kiln Dried. Pounds.
Ash	3,500	2,800	Cottonwood	3,000	2,750
Basswood	2,800	2,125	Cypress	3,000	2,500
Cherry	3,500	3,000	Elm	3,000	2,750
Chestnut	2,854	2,250	Hickory	4,500	4,000
White Oak	4,500	4,000	Mahogany	4,500	3,750
Red Oak	3,500	3,000	Pitch Pine	4,000	3,750
Birch	3,500	3,000	Poplar	2,750	....
Maple	4,200	3,500	Sycamore	4,000	3,600
Cherry	3,500	3,000	Walnut	3,500	3,250

MICHIGAN, MINNESOTA AND WISCONSIN. (HARDWOODS.)

	Green. Pounds.	Dry. Pounds.		Green. Pounds.	Dry. Pounds.
Ash	4,500	3,500	Hickory	5,000	4,500
Beech	5,000	4,500	Maple	5,000	4,500
Birch	4,500	3,500	Maple, Soft	4,000	3,200
Bass	3,500	2,500	Mahogany	5,250	4,500
Hemlock	3,900	3,250	Oak	5,000	4,000
Chestnut	4,000	3,000	Poplar	3,250	2,250
Cherry	4,500	3,200	Walnut	4,500	3,200
Butternut	3,750	3,200	Hemlock	4,000	2,800
Cedar	4,000	3,000			

MICHIGAN, MINNESOTA AND WISCONSIN.

White Pine.	Dry. Pounds.	Green. Pounds.	Norway Pine.	Green. Pounds.	Dry. Pounds.
Timber, Rough	2,500	3,250	Timber, Rough	3,500	2,750
Lumber, “	2,400	3,000	Lumber, Rough	3,250	2,650
“ Dressed	2,000	2,500	“ Dressed	2,900	2,300
“ D. & M.	1,800	2,400	“ D. & M.	2,600	2,000
Battens, O. G	1,500	1,900	Cedar	2,500	2,000
Siding & ⅜ Ceiling	800	1,250	“ Shingles	300	200
Shingles	250	450			
Lath	500	950			

CALIFORNIA.

Redwood.	Pounds.
2½ in. to 8 in. thick, rough	3,200
2½ “ “ “ “ “ S 1 S	3,000
2½ “ “ “ “ “ S 2 S	2,800
1 “ “ 2 “ “ rough	2.500
1 “ “ “ “ “ S 1 S	2,200
1 “ “ “ “ “ S 2 S	2,000
⅜ “ surface one or two sides	1,000
½ “ “ “ “ “ “	1,300
⅝ “ “ “ “ “ “	1,600
¾ “ “ “ “ “ “	1,900
2x3 to 4x4, rough	3,000
2x3 to 4x4, S 4 S	2,500
4x6 to 6x8, rough	3,200
4x6 to 6x8, S 4 S.	2,750
8x8 to 12x12, rough	3,500
8x8 to 12x12, S 4 S	3.200
Mouldings, casings 1x3 to 1x6	1,500
“ “ 1x8 to 1x12	1,800
White Cedar, 1 to 2 in., rough	3,000
“ “ 3 to 6 “ “	3,500
Corner Blocks	65
Head and Base Blocks	150
Common Boards, rough	2,500

Redwood.	Pounds.
Common Boards, S 1 S to ⅞	2,200
Fence Post, 4x4 to 4x5, each	35
Flooring, Casing or Ceiling	1,800
Bevel Siding or ⅜ in. Ceiling	800
½ in. Ceiling	1,000
⅝ “ “	1,200
Rustic German Novelty or O. G. Siding	1,800
1x3 4-ft. Pickets, S 4 S & Headed	2,000
1x3 3-ft. “ “ “	1,500
1⅜x1⅜, 3-ft	1,300
“ “ 3½-ft	1,500
“ “ 4-ft	1,700
⅜x3 Battens	1,000
1x3 “	1,800
Eave Gutter, ¾ lineal feet	90
“ “ 4-4 “ “	130
“ “ 7-6 “ “	170
“ “ 6-6 “ “	250
Lattice, 31-16x1⅛ “ “	82
“ 31-16x1⅜ “ “	100
“ 31-16x1¾ “ “	150

Discount.

10 and 5 off=14½ per cent. off.
15 and 5 off=19¼ per cent. off.
20 and 5 off=24 per cent. off.
20 and 10 off=28 per cent. off.
25 and 5 off=28¾ per cent. off.
25 and 10 off=32½ per cent. off.
25, 10 and 5 off=35⅞ per cent. off.
30 and 5 off=33½ per cent. off.
30 and 10 off=37 per cent. off.
30 and 20 off=44 per cent. off.
30, 10 and 5 off=40⅐ per cent. off.
35 and 5 off=38¼ per cent. off.
35 and 10 off=41½ per cent. off.
35, 10 and 5 off=44⅖ per cent. off.
40 and 5 off=43 per cent. off.
40 and 10 off=46 per cent. off.
40, 10 and 5 off=48⁷⁄₁₀ per cent. off.
45 and 5 off=47¾ per cent. off.
45 and 10 off=51½ per cent. off.
45, 10 and 5 off=53³⁹⁄₄₀ per cent. off.
50 and 5 off=52½ per cent. off.
50 and 10 off=55 per cent. off.
50, 10 and 5 off=57¼ per cent. off.
55 and 10 off=59½ per cent. off.
55, 10 and 5 off=61½ per cent. off.
60 and 5 off=62 per cent. off.
60 and 10 off=64 per cent. off.
60, 10 and 5 off=65⅘ per cent. off.
65 and 5 off=66¾ per cent. off.
65 and 10 off=68½ per cent. off.
65, 10 and 5 off=71¹³⁄₄₀ per cent. off.
70 and 5 off=71½ per cent. off.
70 and 10 off=73 per cent. off.
70, 10 and 5 off=74⁷⁄₂₀ per cent. off.

Fractions.

12½ is ⅛ part of 100
25 is ²⁄₈ or ¼ of 100
37½ is ⅜ part of 100
50 is ⁴⁄₈ or ½ of 100
62½ is ⅝ part of 100
75 is ⁶⁄₈ or ¾ of 100
87½ is ⅞ part of 100
6¼ is ¹⁄₁₆ part of 100
18¾ is ³⁄₁₆ part of 100
31¼ is ⁵⁄₁₆ part of 100
8⅓ is ¹⁄₁₂ part of 100
16⅔ is ²⁄₁₂ or ⅙ of 100
33⅓ is ⁴⁄₁₂ or ⅓ of 100
66⅔ is ⁸⁄₁₂ or ⅔ of 100
83⅓ is ¹⁰⁄₁₂ or ⅚ of 100
125 is ⅛ part of 1000
250 is ²⁄₈ or ¼ of 1000
375 is ⅜ part of 1000
625 is ⅝ part of 1000
875 is ⅞ part of 1000

Percentage.

100 is used as the basis of computation. The sign % is used for the words *per cent.* Thus, 10% of a number equals ¹⁰⁄₁₀₀, or ¹⁄₁₀ of the number; 50% equals ⁵⁰⁄₁₀₀ or ½, etc.

Fractional Equivalents.

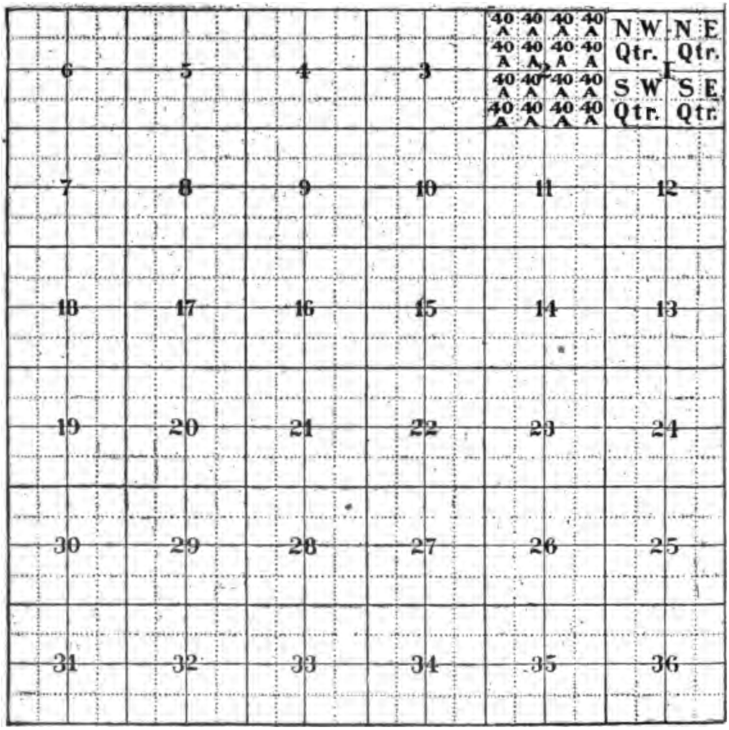
50 %=.50 = ½
33⅓%=.33⅓= ⅓
25 %=.25 = ¼
20 %=.20 = ⅕
16⅔%=.16⅔= ⅙
12½%=.12½= ⅛
10 %=.10 =¹⁄₁₀
8⅓%=.08⅓=¹⁄₁₂
6¼%=.06¼=¹⁄₁₆
5 %=.05 =¹⁄₂₀
3⅓%=.03⅓=¹⁄₃₀
2½%=.02½=¹⁄₄₀
37½%=.37½= ⅜
62½%=.62½= ⅝
75 %=.75 = ¾
87½%=.87½= ⅞
18¾%=.18¾=³⁄₁₆
31¼%=.31¼=⁵⁄₁₆
66⅔%=.66⅔= ⅔
83⅓%=.83⅓= ⅚

Measurement of Wood.

NOTE.—A pile of wood that is 8 feet long, 4 feet high, and 4 feet wide, contains 128 cubic feet, or a cord, and every cord contains 8 *cord-feet*; and as 8 is 1-16 of 128, every *cord-foot* contains 16 cubic feet; therefore, dividing the cubic feet in a pile of wood by 16, the quotient is the cord-feet; and if cord-feet be divided by 8, the quotient is cords.

Wood is bought and sold by the cord. The length of a cord is 8 feet, the height 4 feet, and the width anything that may be agreed upon by the buyer and seller. It is an error to suppose that a cord should always contain 128 cubic feet, as, for instance, cooking-stove wood is seldom over 20 inches in width when *corded*, but the width is counted the same as if it were 4 feet.

DIAGRAM OF Township



Government Land Measure.

A township—36 sections, each a mile square.

A section—640 acres.

A quarter section, half a mile square—160 acres.

An eighth section, half a mile long, north and south, and a quarter of a mile wide—80 acres.

A sixteenth section, a quarter of a mile square—40 acres.

The sections are all numbered 1 to 36, commencing at the northeast corner, as above.

The sections are all divided into quarters, which are named by the cardinal points, as in section 1. The quarters are divided in the same way. The description of a forty-acre lot would read: The south half of the west half of the south-west quarter of section 1 in township 8, north of range 3 west, or as the case might be; and sometimes will fall short, and sometimes overrun the number of acres it is supposed to contain.

If you measure by rods, divide the product by 160; if by yards divide by *4,840; if* by feet, divide by 43,560. Nine square feet make one square yard; 30¼ *square yards* or 272¼ square feet make one square rod; 160 square rods or 4,840 *square yards* or 43,560 square feet make one acre. 640 square acres make one *square mile*.

SPEED OF CIRCULAR SAWS.

Calculated on a Periphery of 11,000 Feet per Minute.

Diameter of Saws.	Speed of Saws.	Diameter of Saws.	Speed of Saws.
8 inches	4,900 revolutions.	40 inches	990 revolutions.
10 “	4,000 “	42 “	943 “
12 “	3,800 “	44 “	900 “
14 “	2,900 “	46 “	860 “
16 “	2,490 “	48 “	825 “
18 “	2.200 “	50 “	800 “
20 “	2,000 “	52 “	760 “
22 “	1,800 “	54 “	780 “
24 “	1,650 “	56 “	700 “
26 “	1,520 “	60 “	660 “
28 “	1,420 “	62 “	630 “
30 “	1,320 “	64 “	610 “
32 “	1,210 “	68 “	580 “
34 “	1,160 “	70 “	565 “
36 “	1,120 “	72 “	545 “
38 “	1,040 “		

Herschel's Weather Table—For Fortelling the Weather throughout all the Lunations of Each Year, Forever.

This table is the result of many years' actual observation, the whole being constructed on a due consideration of the attraction of the Sun and Moon in their several positions respecting the Earth, and will, by simple inspection, show the observer what kind of weather will most probably follow the entrance of the Moon into any of its quarters.

If the New Moon, First Quarter, Full Moon, or Last Quarter, happens—	In Summer.	In Winter.
Between midnight and 2 o'clock	Fair	Frost unless wind southwest.
Betw. 2 and 4 morning	Cold and showers	Snow and stormy.
“ 4 “ 6 “	Rain	Rain.
“ 6 “ 8 “	Wind and rain	Stormy.
“ 8 “ 10 “	Changeable	Cold rain if wind west, snow if E.
“ 10 “ 12 “	Frequent showers	Cold and high wind.
“ 12 “ 2 aftern'n.	Very rainy	Snow or rain.
“ 2 “ 4 “	Changeable	Fair and mild.
“ 4 “ 6 “	Fair.	Fair.
“ 6 “ 8 “	Fair if wind northwest	Fair and frosty if wind N. or N.E.
“ 8 “ 10 “	Rainy if south or S. W.	Rain or snow if south or S. W.
“ 10 “ midnight	Fair	Fair and frosty.

Castor oil has not failed in any case to remove warts, to which it was applied from once to twice a day for two to six weeks. Try it for corns.

A wine glass of strong borax water in a pint of new starch will make collars and cuffs stiff and glossy.

Too Loosen Glass Stoppers.—Place around the neck of the bottle a thick rag wet with hot water; remove the stopper before the heat reaches and expands it. If sticky, drop a little camphor between neck and stopper.

A Useful Recipe.

A fireproof and waterproof substitute for paint, for use in boiler and engine rooms, consists of six quarts of freshly slacked lime, well sifted, to which is added one quart of rock salt and a gallon of water, the mixture being then well boiled and skimmed clean. To five gallons of this mixture are added a pound of alum, half a pound of copperas (stirred in slowly), three-quarters of a pound of potash, and four quarts of fine sand or hardwood ashes, well sifted. To this may be added any coloring material desired. It is said to be as durable as slate, and to be especially applicable to brickwork and similar surfaces.

Table of Transposed Numbers.

DIFFERENCES.									
9	10	21	32	43	54	65	76	87	98
	01	12	23	34	45	56	67	78	89
18	20	31	42	53	64	75	86	97	
	02	13	24	35	46	57	68	79	
27	30	41	52	63	74	85	96		
	03	14	25	36	47	58	69		
36	40	51	62	73	84	95			
	04	15	26	37	48	59			
45	50	61	72	83	94				
	05	16	27	38	49				
54	60	71	82	93					
	06	17	28	39					
63	70	81	92						
	07	18	29						
72	80	91							
	08	19							
81	90								
	09								
90	100								
	010								
99	100								
	001								

Table of Measurement.

SHOWING THE NUMBER OF FEET, BOARD MEASURE, PER LINEAL FOOT.

End Size in Inches.	Feet Board Measure.	End Size in Inches.	Feet Board Measure.	End Size in Inches.	Feet Board Measure.
1 x 1	1/12	2 x 4	⅔	6 x 6	3
1 x 2	1/6	2 x 6	1	6 x 8	4
1 x 3	¼	2 x 8	1⅓	6 x 10	5
1 x 4	.... ⅓	2 x 10	1⅔	6 x 12	6
1 x 5	5/12	2 x 12	2	6 x 14	7
1 x 6	½	2 x 14	2⅓	8 x 8	5⅓
1 x 7	7/12	2 x 15	2½	8 x 10	6⅔
1 x 8	⅔	3 x 6	1½	8 x 12	8
1 x 9	¾	3 x 8	2	8 x 14	9⅓
1 x 10	.... 5/6	3 x 10	2½	10 x 10	8⅓
1 x 11	11/12	3 x 12	3	10 x 12	10
1 x 12	1	3 x 14	3½	10 x 14	11⅔
1 x 13	1 1/12	3 x 16	4	12 x 12	12
1 x 14	1 1/6	4 x 4	1⅓	12 x 14	14
1 x 15	1¼	4 x 8	2⅔	12 x 15	15
1 x 16	1⅓	4 x 10	3⅓	12 x 16	16
1 x 18	1½	4 x 12	4	12 x 18	18

A cubic foot of Ice weighs 52 lbs.

Explanations for Using the Tables for Cost.

From the tables can be found at a glance the cost of any article; pounds, feet, freight, at over five hundred different prices. A few moments practice and you will be able to tell at a glance the cost of any number you want to find. For example: 365 pounds of tallow at 13⅓ cents per pound, see cost index and we find 13⅓ page 37, turn to page 37, run down left hand margin to 360, then five columns to right under 5 at top margin and we find 48 66⅔, the true answer. Cost to deliver 3,420 pounds of lumber at 9⅓ cents per one hundred pounds, see index as before, page 34 is given for 9⅓ cents; page 34, run down left hand margin to 340, then two to the right for 342 and we find 3.192, the answer. If 34,200 pounds place the point one place to the right $31 92 (taking the lower multiple and annexing the figure is equivalent to multiplying by ten, see pages 2, 3 and 4 and 222. Placing point one to right increases the value ten times. Example: See index for cost at 65⅓ cents; by placing the point one to right it becomes $6.53⅓, once more to right and it becomes $65.33⅓, when the fraction is ⅓ each time point is moved to right annex 3, if point is moved to left cancel the figure 3; if ⅔ annex 6, if 5-6 annex 8⅓, if 1-6 annex 1⅔, if ½ annex 5, see page 24. Example: For cost per ton say 330 pounds hay at $12.00 per ton see index, page 236 is given, turn to page 236, table for cost at $12 00 per ton, run down left hand margin to 30, then three columns to right for 33 and we have $1.98, the true answer. If 3,300 pounds, move point one place to right, $19.80.

☞Always remember that to find the correct number in tables where the number is not in tens to take left hand margin to next lower number then run to the right under figure in top margin. Say you want the number 345, run down left hand margin to 340, then run to right under 5 at top margin.

Index to Lumber and Cost Tables.

COST.	PAGE.	COST.	PAGE.	COST.	PAGE.
.0001 per 1	233	.001 per 1	235	¼ cent per 1	237
.01 " 100	233	.10 " 100	235	.25 " 100	237
.10 " 1000	233	1.00 " 1000	235	2.50 " 1000	237
.20 " .... ton	233	2.00 " .... ton	235	5.00 " .... ton	237
.0002 per 1	233	.002 per 1	235	¾ cent per 1	237
.02 " 100	233	.20 " 100	235	.75 " 100	237
.20 " 1000	233	2.00 " 1000	235	7.50 " 1000	237
.40 " .... ton	233	4.00 " .... ton	235	15.00 " ..... ton	237
.0003 per 1	233	.003 per 1	235	⅓ cent per 1	238
.03 " 100	233	.30 " 100	235	.33⅓ " 100	238
.30 " 1000	233	3.00 " 1000	235	3.33⅓ " 1000	238
.60 " .... ton	233	6.00 " .... ton	235	6.66⅔ " ..... ton	238
.0004 per 1	233	.004 per 1	236	⅔ cent per 1	238
.04 " 100	233	.40 " 100	236	.66⅔ " 100	238
.40 " 1000	233	4.00 " 1000	236	6.66⅔ " 1000	238
.80 " .... ton	233	8.00 " .... ton	236	13.33⅓ " .... ton	238
.0005 per 1	234	.005 per 1	236	.01025 per 1	223
.05 " 100	234	.50 " 100	236	1.025 " 100	223
.50 " 1000	234	5.00 " 1000	236	10.25 " 1000	223
1.00 " .... ton	234	10 00 " .... ton	236	20.50 " .... ton	223
.0006 per 1	234	.006 per 1	236	.0105 per 1	223
.06 " 100	234	.60 " 100	236	.105 " 100	223
.60 " 1000	234	6.00 " 1000	236	10.50 " 1000	223
1.20 " .... ton	234	12.00 " .... ton	236	21.00 " .... ton	223
.0007 per 1	234	.007 per 1	236	.01075 per 1	223
.07 " 100	234	.70 " 100	236	1.075 " 100	223
.70 " 1000	234	7.00 " 1000	236	10.75 " 1000	223
1.40 " .... ton	234	14.00 " .... ton	236	21.50 " .... ton	223
.0008 per 1	234	.008 per 1	237	.011 per 1	223
.08 " 100	234	.80 " 100	237	1.10 " 100	223
.80 " 1000	234	8.00 " 1000	237	11.00 " 1000	223
1.60 " .... ton	234	16.00 " .... ton	237	22.00 " .... ton	223
.0009 per 1	235	.009 per 1	237	.01125 per 1	224
.09 " 100	235	.90 " 100	237	1.125 " 100	224
.90 " 1000	235	9.00 " 1000	237	11.25 " 1000	224
1.80 " .... ton	235	18.00 " .... ton	237	22.50 " .... ton	224

Index to Cost Tables—Continued.

COST.	PAGE.	COST.	PAGE.	COST.	PAGE.
.0115 per 1	224	.0155 per 1	228	.0195 per 1	232
1.15 " 100	224	1.55 " 100	228	1.95 " 100	232
11.50 " 1000	224	15.50 " 1000	228	19.50 " 1000	232
23.00 " ton	224	31.00 " ton	228	39.00 " ton	232
.01175 per 1	224	.01575 per 1	228	.01975 per 1	232
1.175 " 100	224	1.575 " 100	228	1.975 " 100	232
11.75 " 1000	224	15.75 " 1000	228	19.75 " 1000	232
23.50 " ton	224	31.50 " ton	228	39.50 " ton	232
.012 per 1	224	.016 per 1	228	2 cents per 1	232
1.20 " 100	224	1.60 " 100	228	2.00 " 100	232
12.00 " 1000	224	16.00 " 1000	228	20.00 " 1000	232
24.00 " ton	224	32.00 " ton	228	40.00 " ton	232
.01225 per 1	225	.01625 per 1	229	.½ ct.	5
1.225 " 100	225	1.625 " 100	229	.⅔ ct.	5
12.25 " 1000	225	16.25 " 1000	229	.5-6 ct.	5
24.50 " ton	225	32.50 " ton	229	.01	202
1¼ cent per 1	225	.0165 per 1	229	.01 1-6	6
1.25 " 100	225	1.65 " 100	229	.01⅓	6
12.50 " 1000	225	16.50 " 1000	229	.01½	6
25.00 " ton	225	33.00 " ton	229	.01⅔	6
.01275 per 1	225	.01675 per 1	229	.02	202
1.275 " 100	225	1.675 " 100	229	.02⅓	8
12.75 " 1000	225	16.75 " 1000	229	.02½	9
25.50 " ton	225	33.50 " ton	229	.02⅔	8
.013 per 1	225	.017 per 1	229	.03	202
1.30 " 100	225	1.70 " 100	229	.03⅓	8
13.00 " 1000	225	17.00 " 1000	229	.03½	11
26.00 " ton	225	34.00 " ton	229	.04	202
.01325 per 1	226	.01725 per 1	230	.04 1-6	21
1.325 " 100	226	1.725 " 100	230	.04½	13
13.25 " 1000	226	17.25 " 1000	230	.04⅔	17
26.50 " ton	226	34.50 " ton	230	.05	202
.0135 per 1	226	1¾ cent per 1	230	.05⅓	18
1.35 " 100	226	1.75 " 100	230	.05½	46
13.50 " 1000	226	17.50 " 1000	230	.05 5-6	22
27.00 " ton	226	35.00 " ton	230	.06	202
.01375 per 1	226	.01775 per 1	230	.06½	56
1.375 " 100	226	1.775 " 100	230	.06⅔	20
13.75 " 1000	226	17.75 " 1000	230	.07	25
27.50 " ton	226	35.50 " ton	230	.07⅓	46
.014 per 1	226	.018 per 1	230	.07½	22
1.40 " 100	226	1.80 " 100	230	.08	202
14.00 " 1000	226	18.00 " 1000	230	.08 1-6	30
28.00 " ton	226	36.00 " ton	230	.08⅓	22
.01425 per 1	227	.01825 per 1	231	.08½	70
1.425 " 100	227	1.825 " 100	231	.08⅔	56
14.25 " 1000	227	18.25 " 1000	231	.09	202
28.50 " ton	227	36.50 " ton	231	.09 1-6	46
.0145 per 1	227	.0185 per 1	231	.09½	74
1.41 " 100	227	1.85 " 100	231	.09⅓	34
14.50 " 1000	227	18.50 " 1000	231	.10	202
29.00 " ton	227	37.00 " ton	231	.10½	30
.01475 per 1	227	.01875 per 1	231	.10 5-6	56
1.475 " 100	227	1.875 " 100	231	.10⅔	35
14.75 " 1000	227	18.75 " 1000	231	.11	204
29.50 " ton	227	37.50 " ton	231	.11⅓	70
1½ cent per 1	227	.019 per 1	231	.11½	89
1.50 " 100	227	1.90 " 100	231	.11⅔	42
15.00 " 1000	227	19.00 " 1000	231	.12	204
30.00 " ton	227	38.00 " ton	231	.12½	60
.01525 per 1	228	.01925 per 1	232	.12 5-6	47
1.525 " 100	228	1.925 " 100	232	.12⅔	74
15.25 " 1000	228	19.25 " 1000	232	.13	204
30.50 " ton	228	38.50 " ton	232	.13⅓	37
				.13½	39
				.14	204

See explanation page 289.

Index to Cost Tables—Continued.

COST.	PAGE.	COST.	PAGE.	COST.	PAGE.	COST.	PAGE.	C ST.	PAGE.
.14 1-6	70	.29	206	.57	212	.87½	102	1 52	111
.14⅔	47	.29⅓	68	.57¾	123	.88	218	1.60	111
.15	204	.30	206	.58	212	.89	218	1.66⅔	116
.15 1-6	57	.30⅔	90	.58⅓	101	.89¼	123	1.68	120
.15⅓	89	.31	208	.59	212	.90	218	1.70⅔	112
.15 5-6	74	.31½	86	.60	212	.91	220	1.73⅓	114
.16	204	.31⅔	75	.60⅔	100	.92	220	1.80	118
.16⅓	59	.32	208	.61	214	.93	220	1.83	116
.16½	47	.32⅔	99	.62	214	.93⅓	113	1.83⅓	116
.16⅔	45	.33	208	.63	214	.94	220	1.86⅔	114
.17	204	.33⅓	81	.64	214	.94½	123	1.92	113
.17⅓	57	.34	208	.64 1-6	101	.95	220	2.00	116
.17½	61	.34½	90	.65	214	.96	220	2.02⅔	113
.18	204	.35	208	.65⅓	100	.97	220	2.13⅓	113
.18⅓	47	.36	208	.66	214	.98	220	2 16	120
.18⅔	64	.36⅔	82	.67	214	.99	220	2.16⅔	116
.19	204	.37	208	.68	214	.99 1-6	123	2 20	118
.19 1-6	89	.37⅓	99	.68¼	123	.99¾	123	2.26⅔	115
.19½	57	.38	208	.69	214	1.00	220	2.33⅓	117
.19 5-6	71	.38⅓	90	.70	214	1 04	110	2.40	115
.20	204	.39	208	.71	216	1.05	123	2.50	117
.21	206	.40	208	.72	216	1.06⅔	112	2.53⅓	115
.21⅓	65	.41	210	.73	216	1.10¼	123	2.60	119
.21⅔	57	.42	210	.73½	123	1.10 5-6	123	2.64	121
.22	206	.43	210	.74	216	1.12	110	2.66⅔	115
.22 1-6	75	.43⅓	83	.74⅔	111	1.15½	123	2 88	121
.22½	61	.44	210	.75	216	1.16⅔	115	2 80	119
.22⅔	71	.45	210	.75 5 6	102	1.17⅓	112	2.83⅓	117
.23	206	.46	210	.76	216	1.20	110	3.00	117
.23⅓	78	.46⅔	84	.77	216	1.20¾	123	3.12	121
.24	206	.47	210	.78	216	1.22½	123	3.20	119
.24½	86	.47¼	123	.78¾	123	1.26	123	3 33⅓	117
.25	206	.48	210	.79	216	1.28	110	3 16⅔	117
.25⅓	75	.49	210	.80	216	1.28⅓	123	3.36	121
.25½	71	.50	210	.81	218	1.33⅓	116	3 40	119
.25⅔	88	.51	212	.81⅔	102	1.34 1-6	123	3.60	121
.26	206	.51⅓	100	.82	218	1 36	110	3.80	120
.26 5-6	90	.52	212	.83	218	1.38⅔	112	3.84	121
.26⅔	67	.52½	123	.84	218	1.40	118	4.00	120
.27	206	.53	212	.85	218	1.44	110	4.08	122
.28	206	.54	212	.85⅓	111	1.46⅔	114	4 32	122
.28⅓	71	.55	212	.86	218	1 49⅓	112	4.56	122
.28½	75	.56	212	.87	218	1.50	116	4.80	122

N. B.—While tables as given above are for cost tables they also answer for lumber tables. Example: Suppose you wish to find the number of feet in 78 pieces of lumber one piece containing 46⅔ feet. See 46⅔ as indexed above and we find page 84 given for table 46⅔, turn to page 84 and we find that 78 pieces would contain 3640 feet. (See explanation, page 289.)

EXPLANATION FOR USING

COST, MULTIPLICATION, DIVISION TABLES, Etc.

PAGES 201 TO 221 FOR

LUMBER TABLES.

Example: Suppose you wish to find the number of feet of lumber in 49 pieces of lumber, one piece containing 8 feet; turn to page 202, run down left hand margin to 49, then to right under 8 top margin and you find 392, the correct answer. If you should want to find the answer for 490 pieces simply add cipher to above answer and you have correct answer for 490 pieces, 3920 feet. For 4900 pieces add one more cipher and you have 39200 feet. Remember that while tables in the Buyer and Seller run from 10 pieces in a few of the tables to 40, 100 and 500 pieces in balance of the tables, that it makes no difference how many pieces you wish to find answer for, you obtain the answer by simply writing it down, and in tables containing 100 or more only one addition is required for any odd number of pieces. Example: Suppose you wish to find the number of feet in 7933 pieces of lumber one piece containing 17 feet; turn to page 205, run down left hand margin to 79 (which is lower multiple of 7900) then to right under 17 top margin, and we find for 79 pieces 1343. For 7900 pieces proceed as in first example above, 790 pieces 13,430 feet; 7900 pieces 134,300 feet; for 33 pieces add the amount given on page 204 for 33 pieces at 17 we find is

561, which added to the amount given for 7900 gives

134,861 feet, the correct answer.

Every table in the Buyer and Seller works on the same principle; after you can figure by one you can figure from all. In the above tables the figure to add in finding for greater number than given in tables is cipher. (In lumber tables where fractions are given key number to add will be found in explanations for those tables.) To find lower multiple figure 780 lower multiple figure would be 78; 800 would be 80; 330 it would be 33, *etc., etc.*

See page 201 to use table for cost, etc.

General Index.

PAGES.
Lumber Tables 4-200
Explanations 2, 3, 4
Shingles Required for any Building........ 105
Flooring, Siding, Ceiling or Shiplap........ 108
All Sizes Lumber 159-200
Cost Tables 201-222
Calendar 239
Interest 240, 267
Length of Rafters 244-273
Lumber Inspection 246-249
Paint and Painting 250, 272
Whitewash and Plaster 251, 273
Cipher Messages 252-258
Cuts—Wainscoting, Ceiling, Siding, Flooring........ 259, 260
Estimated Weights, Lumber 261
Log Scales 262-265
Handy Things to Know........ 266-288
Weights and Measures 275-278
Weights of Lumber, Etc........ 282-283
Discounts 285
Index Cost Tables 289-292
Weights per Bushel, Grain........ 242
To Mark Tools 272
Brick to Construct any Building........ 269
How to Mix Paints, Etc........ 272
Carpenters', Plasterers', Painters', Paper Hangers' and Brick Layers' Work 273
Nails Required in Carpenters' Work........ 274
Land Measure 286
Number of Nails and Tacks per Pound........ 272
Rates of Postage 251
Speed Circular Saws........ 287
Weather Table 287
To Compute Without the Fraction... ....

ESTABLISHED 1886.

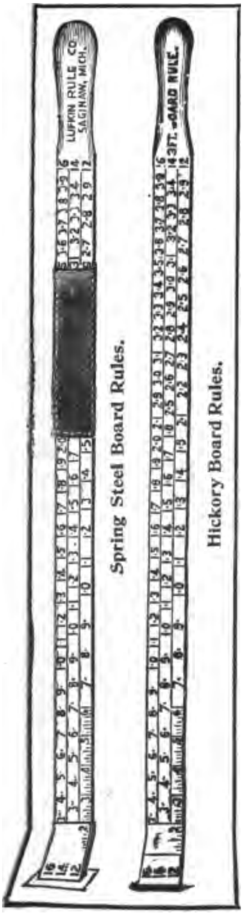
H. R. A. BAUGHMAN'S

INDIANAPOLIS, IND.

PRICE LIST

BOARD RULES, TAPES,

MARKING STICKS, ETC.


LUFKIN RULE CO.
SAGINAW, MICH.
3FT. BOARD RULE.
Spring Steel Board Rules.
Hickory Board Rules.

Spring Steel Board Rules.

Nickel Plated and Lacquered.

Will bend and return exactly straight. Practically indestructible. The rule is nickel plated and lacquered to prevent rusting. The surface of rule is frosted, taking away the bright surface which is so objectionable in other steel rules. The figures are large and black, and the divisions are a broad diamond shaped dot easily seen; weighs less than 16 ounces; provided with wooden handle; best quality tempered steel; the head is of steel.

No.		EACH.	PER DOZ.
1.	3½ feet, 3 tier, Inspector's rule....	$2.60	$28.00
2.	3 feet, 3 tier, Board rule............	2.25	25.00
3.	2½ feet, 3 tier, Sorting rule.........	2.00	22.00
4.	3 feet, 4 tier, Board rule...........	2.50	27.50
5.	2½ feet, 4 tier, Sorting rule.........	2.25	25 00
6.	3 feet, 5 tier, Board rule...........	2.60	28 00

Diamond heads and Acme handles furnished on above Rules.

Hickory Board Rules.

Made of the very best selected second-growth White Hickory. Every rule inspected and tested before being shipped.

No.		EACH.	PER DOZ.
7.	3 tier, 3½ feet, Inspector's rule....	$1.50	$15.00
8.	3 tier, 3 feet, Board rule............	1.45	14.00
9.	3 tier, 2½ feet, Sorting rule..........	1.40	13.80
10.	3 tier 3 feet, Board rule...........	1.35	13.35
11.	3 tier, 3 feet, Board rule...........	1.30	12.00
12.	3 tier, 2½ feet, Sorting rule.........	1.25	11.50
13.	3 tier, 3 feet, Board rule............	1.45	14.25
14.	3 tier 3 feet, Board rule...........	1.50	15.00
15.	3 tier, 3 feet, (1 in. wide) Board rule..	1.45	14.25
16.	3 tier, 3 feet, (1 in. wide) Board rule..	1.50	15.00
17.	4 tier, 3 feet, Board rule...........	1.45	14.25
18.	4 tier, 3 feet, Board rule............	1.55	16.00
19.	4 tier, 3 feet, Board rule............	1.35	12.50
20.	4 tier, 3 feet, Board rule...........	1.45	14.75
21.	5 tier, Board rule...........	1.55	16.00
22.	5 tier, Board rule...........	1.70	16.50
23.	4 tier, 3 ft., Board and Log rule	1.60	15.50
24.	4 tier, 3½ ft., Board and Log rule	1.70	16.50
25.	3 tier, 3½ feet, Acme Board rule..	1.70	18.50
26.	3 tier, 3 feet, Acme Board rule..	1.60	15.00

All goods delivered prepaid.

All 3-tier rules are marked one side 12, 14 and 16 feet, the opposite side 8, 10 and 18 feet, or 18, 20 and 22 feet; all 4-tier rules are marked one side 12, 14, 16 and 18 feet, the opposite side 8, 10, 20 and 22 feet; the 5-tier rules are marked one side 12, 13, 14, 15 and 16 feet, the opposite side 7, 8, 9, 10 and 11 feet; the Board and Log Rule marked one side 12, 10, 14 and 16 feet board rule, or 12, 14, 16 and 18 feet the opposite side; the Log Rule 12, 10, 14 and 16 feet or 12, 14, 16 and 18 feet.

N. B.—Full length of rules given above including six-inch handle. We furnish rules for any measurements required, also left hand rules when ordered. For all special rules ordered an extra price will be charged.

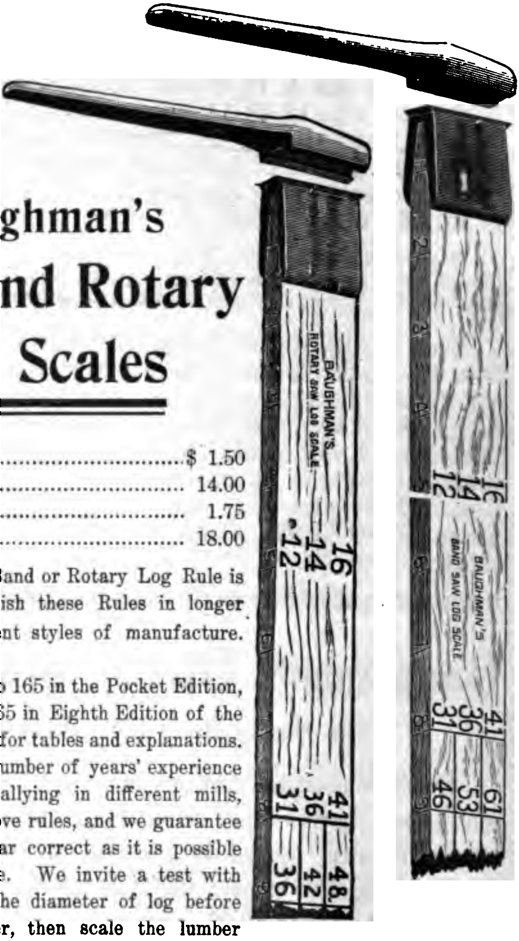
Nos. 11, 12, 19, and 21 have Patent Socket Steel Head; Nos. 15, 17, 22, 23 and 24 have Brazed Head; Nos. 8, 9, 25 and 26 have Extra Brazed Head; Nos. 13 and 20 have Patent Socket Steel head with Brass Plates; Nos. 16 and 18 have Brazed head with Brass Plates; No. 14 has Extra Heavy Brazed Head with Brass Plates; No. 7 has Extra Heavy Brazed Head, Steel Cap and Brass Shoulders; No. 9 has Extra Heavy Brazed Head, but Brass Shoulder half-inch shorter than No. 8.

Baughman's Buyer and Seller

The Handy Book for Lumbermen.

Every lumberman, builder, carpenter, mechanic, farmer, etc., should have a copy. Everything shown in a plain and simple manner. Bound in finest flexible morocco covers. Printed on best of paper. Suitable for the pocket. Handy for the desk. Send $2.00 for sample copy of eighth edition, we prepay carrying charges, and if the book is not as represented, and just what you need in your business, money will be returned (and postage paid), as freely as received. Price prepaid, per copy, $2.00; per half dozen copies, $9.50; per *dozen, $18.00.*

H. R. A. BAUGHMAN, INDIANAPOLIS, IND.
Established 1886.



Baughman's Band and Rotary Log Scales

5 foot Rules, each	$ 1.50
Per doz	14.00
6 foot Rules, each	1.75
Per doz	18.00

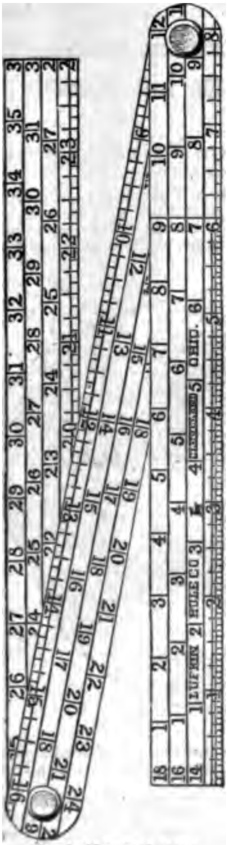
State whether Band or Rotary Log Rule is wanted. We furnish these Rules in longer lengths and different styles of manufacture. Write for wants.

See pages 162 to 165 in the Pocket Edition, and pages 262 to 265 in Eighth Edition of the BUYER AND SELLER for tables and explanations. We have, after a number of years' experience of grading and tallying in different mills, brought out the above rules, and we guarantee that they are as near correct as it is possible to figure a log rule. We invite a test with these rules; take the diameter of log before cutting into lumber, then scale the lumber after it is sawed, trimmed, etc., then compare these scales with diameter of log cut, and amount of lumber obtained; compare with other log scales and draw your own conclusions.

Comparison of Log Tables Sent on Application.
***Price* Quoted F. O. B. Your Place.**

***Address H. R. A.* BAUGHMAN, Indianapolis, Ind., U. S. A.**

Is this what you have been looking for?



(One-half actual size.)

A Pocket Steel Board Rule.

Carry your Board Rule in your pocket. Save time and guess work. Every yard man needs it. Made of hardened steel, two feet long, and folds to eight inches; is light and durable and can be conveniently carried in the hip pocket.

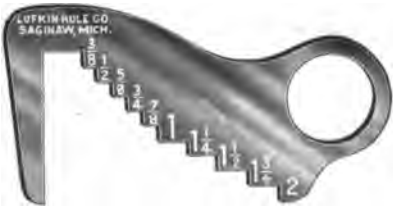
No. 77, measures, one side, 12-14-16-18; other side, 8-10-20-22 feet.
No. 78, measures, one side, 12-14-16-18; other side, inches and 8ths.

No. 77,	Price without case, each	$1.00
	With leather case	1.10
No. 78,	Price without case, each	1.00
	With leather case	1.10

We prepay all postage and express charges and ship promptly.

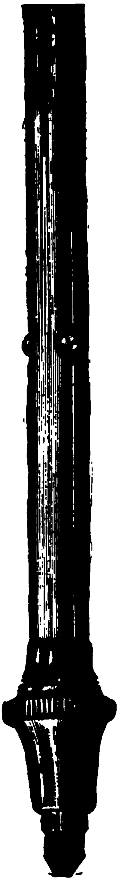
Lumber Gauge.

A neat little device, worn on the finger, for determining the thickness of lumber. Can be carried in the vest pocket. Nicely nickel plated.



	EACH.	DOZ.
No. 0—Measures 1, 1¼, 1½, 1¾, 2 in.	$ .50	$4.50
No. 00—	.50	4.50

H. R. A. BAUGHMAN, INDIANAPOLIS, IND.
Established 1886.



Improved Marking Stick.

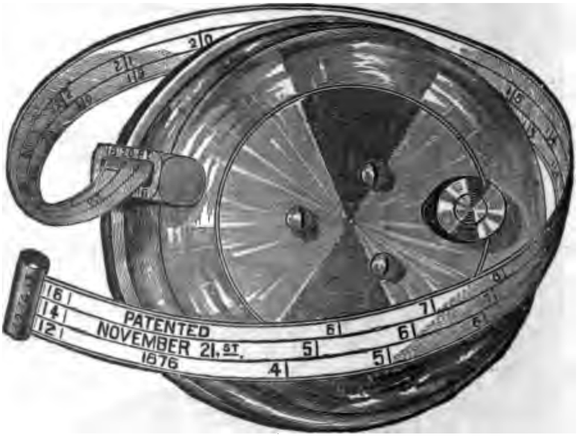
Specially adapted to Dixon's Lumber Crayons and other standard makes.

Inspector's stick, 36 inches long, with Hickory Handle, each..$1.15
Pencil Holder only, without handle (postage prepaid), each.. 1.00

Lumberman's Patent Tape Line Board Measure.

The Only Method by which Lumber can be Measured with Infallible Accuracy without Mental Labor.

By using this line there is no loss, no gain, no additions, no calculations of any kind, but an infallible accuracy at all times. The boy can measure as well as the man. None but the very best imported ribbon linen tape, woven expressly to order, and put up in cases so constructed that they can be opened and a new line inserted when the old one is worn out, thereby saving the cost of a case when a new line is required.



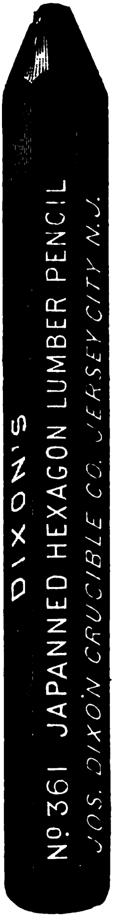
Also manufacture what is termed a combination line, which has the board measure for 12, 14 and 16 feet lengths on one side and the old fashioned lineal measure in large figures on the other side, leaving off the board measure for 18 and 20 feet lengths. Many prefer this line. In ordering please state whether you desire line and case, or line without case Manufactured in but one length—50 feet.

Case and Line, postage paid, $2.25. Line without Case....................$1.25

Address all Orders to H. R. A. BAUGHMAN, Indianapolis, Ind.

			Each	½ doz.	Doz.	Gross
Lumber Crayons,	No. 20,	Soapstone,	10 cts	50 cts	90 cts	$8 00
" "	No. 21,	Black,	10 "	30 "	55 "	6 00
" "	No. 22,	Blue,	10 "	30 "	55 "	6 00
" "	No. 23,	Red,	10 "	30 "	55 "	6 00
" "	No. 24,	Yellow,	10 "	30 "	55 "	6 00
" "	No. 25,	White,	10 "	30 "	55 "	6 00
" "	No. 26,	Green,	10 "	30 "	55 "	5 00
" "	No. 27,	Brown,	10 "	30	55	6 00

No. 20 of above is solid Soapstone, nothing equals it for marking dark colored metals. Nos. 21, 22, 23, 24 and 25 are all crayons for marking anything desired, and are waterproof. No. 26 and 27 are graphite and will mark on anything dry, also green lumber.


DIXON'S
Nº 361 JAPANNED HEXAGON LUMBER PENCIL
JOS. DIXON CRUCIBLE CO. JERSEY CITY N.J.

No. 361, Black..................................	Each, 10c.	Per dozen, $ .85
No. 521, Blue..................................	" 12c.	" " 1.00
No. 520, Red..................................	" 12c.	" " 1.00

Prices Quoted are for Goods Delivered at your Place.

All of above Lumber Crayons can be used in our Improved Marking Sticks and it will be a great saving in breakage and wear especially in the softer grades, to use them in marking sticks. Our Improved Marking Sticks, price, without handle, $1 00, with handle, $1 15.

We carry in stock a large line of different makes of Lumber Crayons and Marking Pencils. **Prices quoted are for goods prepaid to any place *in the United States*. Orders filled day received.**

LINEN MEASURING TAPES.

Tape one-half inch wide, made of Best Woven Linen, reinforced with leather the first four inches and heavily coated. Nickel plated Trimmings, flush handle, hard leather cases. Marked one side only in feet, inches and halves.

No.	Length	Each
51	25 feet	$1.25
52	50 feet	1.50
53	75 feet	1.75
54	100 feet	2.00

SURVEYORS' POCKET STEEL TAPES.

Marked United States Standard one side, feet, 10ths and 100ths feet on other side.

No. 69 D—36 inches, ¼ inch tape, each	$1 00
No. 70 D—72 " ¼ " " "	1 40
No. 71 D— 9 feet, 5-16 " " "	1 65
No. 72 D—12 feet, 5-16 " " "	2 10

POCKET STEEL TAPES.

German silver cases, spring wind, with stop. Marked one side, United States standard, graduated in 1-16ths.

No. 55—36 inches, ¼ inch tapes, each	$ 90
No. 56—48 " " " " "	1 00
No. 57—60 " " " " "	1 10
No. 58—72 " " " " "	1 20
No. 59— 7 feet, " " " "	1 45
No. 60— 9 " 5-16 " " "	1 65
No. 61—12 " " " " "	1 95

Marked both sides, United states standard and meters.

No. 62—36 inches, ¼ inch tapes, each	$1 00
No. 63—48 " " " " "	1 10
No. 64—60 " " " " "	1 20
No. 65—72 " " " " "	1 40
No. 66— 7 feet, " " " "	1 50
No. 67— 9 " 5-16 " " "	1 65
No. 68—12 " " " " "	2 50

RULES, TAPES, ETC., OF VARIOUS KINDS.

Prices Quoted are for Goods Delivered at your Place.

We have complete line of low-priced and popular measuring tapes, steel measuring tapes, in steel and leather cases. Frame steel tapes, *engineers'* pattern steel tapes, detachable rings for engineers' steel *tapes. Plumb* bob attachment for steel tapes for gauging oil in tanks, *etc., surveyors'* chain tapes, artisans' steel tapes, pocket steel tapes, *pocket linen* tapes, metallic measuring tapes, etc., etc.

We furnish tapes marked in meters and centimeters (one side only), *surveyors'* pocket steel rules, rules with metric measurements and all *makes of tapes*, rules, etc. Write for descriptions and prices.

H. R. A. BAUGHMAN, INDIANAPOLIS, IND.
Established 1886.

HAVE YOU SEEN THE JUNIOR

POCKET EDITION
OF
BAUGHMAN'S BUYER AND SELLER?

THE HANDY BOOK FOR TALLYMEN.

Contains all the Lumber Tables up to and including page 158. Has tables from 1×1=6 feet up to 30×30=40 ft. Has the 1¼", 1½", 1¾", 7×9, 7×10 Tables. Log Tables, Rafter Patterns, etc.

BOUND IN TWO BINDINGS ONLY.
THE BEST FLEXIBLE
LEATHER

REVISED, IMPROVED AND CORRECTED TO DATE.
SIGHT COMPUTATION. QUICKER THAN
THOUGHT AND ALWAYS
CORRECT.

	Each.	Half Dozen.	One Dozen.
Price, Flexible Leather Binding, ...	$1.00	$3.50	$6.00
Price, Full Flexible Binding, ...	1.25	4.50	8.00

SAMPLE PAGES FREE.